FINAL
Data Gap Report No. 1

REMEDIAL INVESTIGATION, FEASIBILITY STUDY, PROPOSED PLAN, AND DECISION DOCUMENT

FORMER DOW AIR FORCE BASE
AVIATION FUEL FILTER/DRUM/TCE DISPOSAL AREA
FORMERLY USED DEFENSE SITE (FUDS)
Bangor, Maine

FUDS Property and Project Number D01ME0004 02

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Prepared for

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New England District
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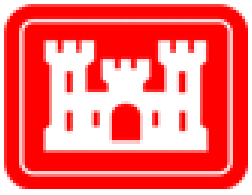

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LIST OF ACRONYMS

ADR	Automated Data Review
APP	Accident Prevention Plan
bgs	Below ground surface
BIA	Bangor International Airport
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COI	Constituent of Interest
COPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
DERP	Defense Environmental Restoration Program
DO	Dissolved Oxygen
DPT	Direct Push Technology
DTB	Depth to Bottom
DTW	Depth to Water
DU	Decision Unit
EDD	Electronic Data Deliverable
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
GPR	Ground Penetrating Radar
GPS	Global Positioning System
IDW	Investigation Derived Waste
ISM	Incremental Sampling Methodology
LCS	Laboratory Control Spike
LiDAR	Light Detection and Ranging
MCL	Maximum Contaminant Level
MEDEP	Maine Department of Environmental Protection
mg/kg	milligram per kilogram
MHz	megahertz
mL	milliliter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MW	Monitoring Well
NAE	New England District
ORP	Oxidation-Reduction Potential
PAHs	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PDT	Project Delivery Team
PID	Photoionization Detector
PPE	Personal Protective Equipment
ppmv	Parts per million by volume
PVC	Polyvinyl Chloride
PWS	Performance Work Statement
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Site Plan
QC	Quality Control
RAWP	Risk Assessment Work Plan
RI	Remedial Investigation
RSL	Regional Screening Level

LIST OF ACRONYMS (CONT.)

SEDD	Staged Electronic Data Deliverable
SI	Site Investigation
SL	Screening Level
SOP	Standard Operating Procedure
SSL	Soil Screening Level
SU	Sampling Unit
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCLP	Toxicity Characteristic Leaching Procedure
THQ	Total Hazard Quotient
TOC	Total Organic Carbon
UFP	Unified Federal Policy
USACE	U.S. Army Corps of Engineers
USCS	Unified Soil Classification System
µg/kg	microgram per kilogram
µg/L	microgram per liter
µm	micrometer
VOC	Volatile Organic Compound
YSI	Yellow Springs Instrument

1.0 INTRODUCTION

This Data Gap Report has been prepared by Mabbett & Associates, Inc. (Mabbett) for the U.S. Army Corps of Engineers (USACE), New England District (NAE) under Contract Number W912WJ-19-D-0005, Delivery Order W912WJ-22-F-0106. The Phase III Remedial Investigation (RI) field program was performed under the Defense Environmental Restoration Program (DERP) for Formerly Used Defense Sites (FUDS) for the Former Aviation Fuel Filter/Drum/Trichloroethene (TCE) Disposal Area at the Former Dow Air Force Base located at 233 Odlin Road in Bangor, Penobscot County, Maine (the Site) (Figure 1-1). The FUDS Property and Project number for this site is D01ME0004 02. The Phase III RI field program was conducted in accordance with the USACE-approved Uniform Federal Policy-Quality Assurance Project Plan (UFP-QAPP), dated July 2023.

1.1 Objective

The objective of this Data Gap Report, as defined in the DOW FUDS Performance Work Statement (PWS), is to present the data collected during the Phase III RI field program, prepare tables comparing laboratory analytical data to risk-based screening levels (SLs), develop site plans depicting the spatial distribution of contaminants detected, and identify data gaps (if any) warranting additional field data collection.

1.2 Site Description

The Site is located approximately 3 miles west of the City of Bangor, immediately to the south of Bangor International Airport (BIA). The BIA property, which includes the Site, was originally developed in 1921 as a municipal airfield but acquired by the U.S. Government in the early 1940 for use as an Army air base in support of the war effort. The facility was operated as a Department of Defense (DoD) asset until 1 April 1968, when it was transferred to the City of Bangor and returned to civilian air services. The Site lies beyond the current airport fencing; however, the Site was previously within the original Airfield perimeter. The Site is not utilized in the day-to-day operations of BIA.

Additional details on the Site, background, and previous investigations are included in the QAPP, Worksheet #10. Previous investigations, including a 2008 Site Investigation (SI), a 2017 Phase I RI, and a 2018 Phase II RI identified debris disposal areas and filled portions of the FUDS Project Area that exhibit contaminant levels above risk-based SLs and may have contributed to the degradation of overburden groundwater and sensitive ecosystems located downgradient or down-slope from the release location. During the previous investigations, SLs were exceeded for pesticides, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOC), specifically polycyclic aromatic hydrocarbons (PAH), metals, and total petroleum hydrocarbons-gasoline range organics (TPH-GRO). Figure 1-2 details the Site layout and the Decision Unit (DU) locations established to characterize the nature and extent of impacts from historical fill and disposal operations.

1.3 Scope of Investigation

This Data Gap Report provides a description of field tasks and a summary of analytical data collected during the Phase III RI between July and October 2023, with a specific focus on soil investigative activities. A separate Data Gap Report will be prepared to document the field and analytical data collected during the monitoring well installation and groundwater sampling field activities. The work described in this Data Gap Report was conducted by Mabbett in accordance with the USACE-approved UFP-QAPP. The overall goal of these reports is to identify data gaps that must be addressed in order to prepare a CERCLA-compliant RI and Feasibility Study (FS) as the basis for a proposed plan and decision document that will define the remedy selection for the Site.

The background and setting for the Site can be found in Worksheet #10 of the UFP-QAPP (USACE, 2023), which describes the current understanding of the Conceptual Site Model (CSM). The CSM should be consulted for a complete understanding of the background and setting, physical profile, site history, release profile, land use, and exposure profile. Given that a CSM is constantly updated with new information, a revised CSM is currently under development. The CSM will be updated in full and presented in the next Data Gap Report.

Mabbett conducted the 2023 field investigation to define the nature and extent of contamination in soil at the Site and support the completion of human health and ecological risk assessments. The field investigation activities described in this Data Gap Report include the following:

1. Identification and clearance of underground utilities including an extensive stormwater system network via Dig-Safe and a ground penetrating radar (GPR) survey.
2. Collection of surface soil samples using incremental sampling methodology (ISM).
3. Advancement of direct push technology (DPT) soil borings and collection of discrete subsurface soil samples.
4. Advancement of soil borings adjacent to the underground utility corridor via hand drill, collection of soil samples, and collection of water samples via temporary well points installed adjacent to the underground utility corridor.

Additional field investigations performed during the Phase III RI included the construction of groundwater monitoring wells via sonic drilling, well development, well stabilization, and hydraulic conductivity testing; collection of soil samples from cores of newly installed monitoring wells; groundwater monitoring well survey and measurement of groundwater elevations; rehabilitation of existing wells; and collection of groundwater samples from rehabilitated and newly installed wells. As previously noted, the results of these investigations related to monitoring well installation and groundwater sampling will be presented in a separate Data Gap Report.

1.4 Schedule

The collection of field samples related to this Data Gap Report was completed between July 24, 2023 and October 12, 2023. Daily field reports for the Phase III RI are provided in Attachment A (note that daily field reports for activities not covered in this Data Gap Report are also attached). The following table provides a summary of the duration of field investigations for the activities documented in this Data Gap Report:

Activity	Start Date	End Date
*Site Reconnaissance, markout of monitoring well and sample locations, utility clearance, and vegetation clearing	6/26/2023	8/1/2023
*Surface Soil ISM Sampling	7/24/2023	10/10/2023
DPT Drilling and Subsurface Soil Sampling	8/7/2023	8/9/2023
*Underground Utility Corridor Investigation	8/1/2023	10/12/2023

*Indicates there were days in between the start and end date when no field activities were conducted.

Environmental samples were submitted to Katahdin Analytical Services, LLC (Katahdin) in Scarborough, Maine for laboratory analysis. Katahdin provided draft data packages and environmental data deliverables (EDDs). At the time of this writing, analytical data have been uploaded to FUDSCHEM but have not yet been validated and approved.

1.5 Data Gap Report Organization

The remainder of this Data Gap Report is organized as follows:

Section 2.0 - Preliminary Site Work. This section describes the preparatory work completed by Mabbett in advance of field investigations in order to confirm access agreements, hold a pre-construction site meeting, mark out sampling locations, and obtain utility clearance.

Section 3.0 - ISM Soil Sampling. This section provides a description of the ISM surface soil sampling activities completed for the Phase III RI.

Section 4.0 - Subsurface Soil Investigation and Sampling. This section provides a description of the DPT drilling and subsurface soil sampling activities completed for the Phase III RI.

Section 5.0 - Underground Utility Corridor Investigation. This section provides a description of the soil and water sampling completed to investigate the underground utility corridor located to the north of the FUDS Project Area.

Section 6.0 - Quality Assurance/Quality Control. This section discusses deviations from the QAPP with sections reserved for a summary of the data validation and data usability findings, to be completed following the validation and approval of analytical data.

Section 7.0 - Analytical Data Summary. This section presents the environmental data collected during the field investigation, including tables of laboratory analytical results and project risk-based SLs and background levels, where appropriate. Tabular summaries of laboratory data are included in this section.

Section 8.0 - Summary and Conclusions. This section provides summary-level conclusions based on the interpretation of data collected during the Phase III RI, identifies data gaps that must be filled to achieve the established objectives of the Phase III RI, and provides recommendations for additional work.

Section 9.0 - References. References cited in this Data Gap Report.

Tables and figures are referenced throughout and provided at the end of this report.

Attachments including daily field reports (Attachment A), the GPRS Job Summary Report (Attachment B), field log sheets (Attachment C), and investigation derived waste (IDW) correspondence (Attachment D) are provided following the tables and figures.

Laboratory data reports, Staged Electronic Data Deliverable (SEDD) files, and data validation reports will be available for review and download from the FUDSCHEM portal and are not included in this Data Gap Report.

2.0 PRELIMINARY SITE WORK

This section provides a summary of preliminary site work completed by Mabbett to prepare for the Phase III RI field activities.

2.1 Pre-Construction Site Walkthrough

On March 9, 2023, Mabbett performed a site visit to inspect the FUDS Phase III RI work area. During the site visit, five of the six existing overburden monitoring wells (MW-3, MW-5, MW-8, MW-20, and MW-23) to be inspected and potentially redeveloped and sampled during the Phase III RI, were identified. MW-11 could not be located and is presumed to be destroyed.

Mabbett examined the onsite overburden monitoring wells and collected depth to water (DTW) and depth to bottom (DTB) measurements using a water level indicator. Mabbett also collected images from within monitoring wells using an endoscope. Based on the comparison of DTB measurements to as-built monitoring well depths and the observations made with the endoscope, no apparent damage was observed within the wells. However, during the inspection the PVC riser at MW-23 appeared to have been pushed up past the outer casing so that the cover for the stickup no longer covers the top of the PVC. This may be due to frost heaving. Also, MW-3 was observed to be missing its well cover and well plug at the time of inspection.

A global positioning system (GPS) unit was used to navigate to the proposed monitoring well borings and DU boundaries within the woods east of Hildreth Road to evaluate the degree of vegetation clearing and road improvements that would be necessary to access the sampling locations.

On March 10, 2023, Mabbett performed a site walkover with Patrick Audet from Maine Tree and Landscape of Bangor, Maine to estimate the extent of vegetation clearing that would be necessary to allow access to proposed monitoring well locations by the sonic drill rig. Mabbett determined based on field observations made during this walkover that it would be possible to clear paths to proposed boring locations by clearing underbrush and fallen logs and avoiding stands of mature trees. Since the underbrush vegetation and saplings were located adjacent to low points that were likely to be wet, monitoring well installation would be targeted for August-September to take advantage of seasonal low water conditions.

Access to ISM DUs was not anticipated to be impacted by underbrush vegetation and clearing for these areas was determined to be feasible using hand tools (hedge shears). No standing trees were knocked down. This prevented any destruction of any endangered species habitats that may exist.

2.2 ISM Sample and Monitoring Well Location Mark Out

From July 24, 2023 through July 28, 2023, Mabbett used a hand-held Arrow 100+ GPS Unit to mark out the areas where intrusive explorations would be performed. Mabbett installed stakes and flagging to mark sampling locations in the field. On July 28, 2023, Mabbett subcontractor Maine Tree and Landscape was on site to clear paths in order to access ISM sampling locations in DU01 through DU07 using a brush hog mounted to a skid steer loader.

2.3 Field Program Kick-Off Call

On July 17, 2023, Mabbett and USACE held a teleconference to discuss the upcoming Phase III RI field program. The topics discussed at this meeting included finalization of the Accident Prevention Plan (APP), delivery of the final Work Plan/QAPP to the Maine Department of Environmental Protection (MEDEP), notification to the City of Bangor in advance of field activities, recent issues with semi-volatile organic compounds (SVOCs) analysis by Katahdin Analytical, and the detailed field work schedule.

2.4 Utility Clearance

Mabbett placed a call to DigSafe on July 17, 2023 (Ticket Number 20232902566) to obtain clearance for proposed subsurface soil sampling locations. On July 20, 2023, DigSafe mobilized to the Site to mark out the locations of underground utilities within the areas where intrusive subsurface explorations would be performed.

On August 1, 2023, Mabbett subcontractor GPRS Inc. mobilized to the site to locate the storm drain line running parallel and adjacent to the edge of the southern portion of the tarmac. A catch basin can be seen above ground near the southeast corner of the tarmac. The GPRS Job Summary Report is included as Attachment B.

A total area of approximately 250 linear feet was scanned by GPRS in order to locate the full extent of the storm drain line. During the scan, the catch basin in the project area was found to be full to grade with water and sediment. The excess sediment and water obstructing the pipes eliminated the ability to utilize traceable rodder/electromagnetic locator (as planned) through drain lines. The path along which drain lines are shown on the Storm Drainage Plan (Figure 2-1) was scanned in a grid pattern utilizing utility cart ground penetrating radar (GPR) using a frequency ranging from 250 megahertz (MHz) to 450 MHz. A potential storm line/anomaly was located in open grass area at approximately 6.5 feet below surface and marked with pink marking paint/flags. At the time, it was not confirmed that the anomaly was the storm line since the maximum effective depth of GPR is approximately 7 feet. Following industry standards, GPRS recommended drilling with caution within 2 feet of the marked line. Additional discussion on the approach taken by Mabbett to advance soil borings adjacent to the drain line is provided in Section 5.0.

3.0 ISM SURFACE SOIL SAMPLING PROGRAM

Soil samples were collected from surface soils within six DUs located within the Historical Fill Exposure Area; two DUs, each of which contained seven sampling units (SU), in the Downgradient Native Soil Exposure Area; and one DU, which included seven SUs, in the Native Soil Background Exposure Area. Figure 1-2 depicts the Site Plan and Disposal Area Locations including the native soil and historical fill delineation. All surface soil sampling was performed using ISM. Figure 3-1 shows the DU/SU locations.

3.1 Decision Unit Descriptions

The following sections provide a description of the DUs from which ISM surface soil samples were collected during the Phase III RI.

3.1.1 Historical Fill Area Exposure Area

The objective of the Historical Fill Area investigation was to characterize the concentrations of contaminants of interest (COI) in soil within areas where fill material has been placed. This investigation was designed to characterize the nature and extent of COIs in materials remaining following previous removals of debris areas and to determine if these constituents are present in the materials used as fill during construction of the airfield. DUs in the Historical Fill Area were selected to encompass potential source areas or historical features that were identified during the SI and Phase I RI and to provide coverage of the limits of historical fill placement, as determined through the review of historical aerial photography and Light Detection and Ranging (LiDAR) data. See Figure 1-2 for the Site Plan and Disposal Area Locations including the Native soil and historical fill delineation.

3.1.2 Downgradient Native Exposure Areas

The Downgradient Native Soil Exposure Area is located immediately downgradient from the Historical Fill Area, to the south of the assumed limits of fill as determined by the review of historical data and LiDAR, within the FUDS Project Area. The Downgradient Native Soil Exposure Area was selected to assess whether contaminants have migrated from the Historical Fill Area into environmental media located downgradient from this presumed source of contamination. See Figure 1-2 for the Site Plan and Disposal Area Locations including the native soil and historical fill delineation.

The Downgradient Exposure Area is representative of the area where historical DoD activities have not generally occurred, based on historical information and the 2008 SI and 2017 Phase I RI, which shows this exposure area remaining mostly wooded since the 1940s (AGC, 2016). Additionally, the Downgradient Native Soil Exposure Area does not contain the fill soil (present at the Historical Fill Area) on its surface and only minimal debris (miscellaneous scrap metal) was observed during the 2008 SI and 2017 Phase I RI.

Wetlands may contain ecological receptors that are sensitive to environmental conditions and chemical contamination. Therefore, the Downgradient Native Soil Exposure Area was partitioned into two separate exposure areas by soil type: upland soil (DU07) and wetland soil (DU08). The boundary between upland and wetland soil was established based on a wetland delineation performed by USACE in May 2017 (Mabbett, 2017). Each exposure area was considered a DU consisting of seven SUs. The SUs were situated to provide upland and wetland coverage of the unfilled areas. See Figure 1-2 for the Site Plan and Disposal Area Locations including the native soil and historical fill delineation.

3.1.3 Native Soil Background

The Native Soil Background Area (DU09) was placed outside of the FUDS Project Area and represents an area where DoD activities are not known to have occurred, based on historical aerial analysis (AGC, 2016) and visual observations. The Native Soil Background Area is considered a reference area, representing both anthropogenic and possible upgradient site conditions to which other study areas can be compared.

The Native Soil Background Area DU includes seven SUs, as depicted on Figure 1-2. The Native Soil Background Area DU represents upland soil conditions (avoiding wetlands and vernal pools). The primary purpose of the SUs was to estimate the mean concentration over the entire Native Soil Background Area DU for the purposes of screening soil data collected within the FUDS Project Area relative to a background data set.

3.2 ISM Sample Collection

ISM sampling of DUs/SUs began on July 24, 2023. Surface soil characterization included the collection of one ISM sample from each DU/SU from the 0- to 1-foot depth interval. Figure 3-1 depicts the DU/SU locations. Each ISM sample consisted of 30 increments of soil, which were combined into a single container and shipped to the laboratory for additional ISM preparation and analysis for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), hexavalent chromium, target analyte list (TAL) metals, and grain size. Several DU/SUs excluded select parameters. See Worksheet #18 of the UFP-QAPP for sample locations and methods (Mabbett, 2023).

Each soil increment was collected using a 36-inch long, 1-inch diameter, stainless steel soil sampling probe with a foot pedal and an alligator-style opening to allow access and extraction to the 12-inch long soil core (the probe was decontaminated between each DU/SU using an Alconox/water mixture and distilled water). Immediately upon collection of each increment, a representative portion of the sample was placed into a 1-liter disposable plastic bag and the headspace of the bag was field screened for the presence of organic vapors using a photoionization detector (PID).

Soil samples for laboratory analysis were collected separately for VOC and non-volatile analysis. Immediately after removing the subsample for PID field screening, one 5-gram plug of soil was collected directly from the core and extruded into an amber glass jar pre-preserved with methanol for VOC analysis. Next, four to five 5-gram plugs of soil were collected from the remaining volume of the increment and placed into a large laboratory-provided plastic bag (for samples submitted for grain size analysis, a separate plastic bag containing one 5-gram plug was collected). This process was repeated until all 30 increments from the DU/SU were collected into an amber glass jar containing approximately 150 grams of soil preserved in 150 mL of methanol and a laboratory-supplied plastic bag containing approximately 1.0 to 1.5 kilograms of soil was collected (a second bag was submitted for samples analyzed for grain size).

During sample collection the lithologic description, Munsell code, Unified Soil Classification System (USCS) symbol, field screening results, sample recovery, and sample collection time for each ISM sample were recorded onto a sample log sheet, copies of which can be found in Attachment C.

Triplicate ISM samples were collected from DU01 through DU06, DU07-SU01 through DU07-SU07, and DU08-SU04. Triplicate ISM samples were collected as specified in the QAPP from the DUs/SUs chosen prior to ISM sampling. Triplicate samples were collected in the same manner as described above, with a second sample collected 5 feet to the north of the first sample (B) and a third sample collected 5 feet to the south of the first sample (C). See Figure 3-1 for the DU/SU locations.

4.0 SUBSURFACE SOIL SAMPLING PROGRAM

As proposed in the UFP-QAPP, discrete subsurface soil samples were collected in all six DUs from the Historical Fill Exposure Area. As mentioned in Section 3.1, the Historical Fill Exposure Area was selected for subsurface soil sampling in order to characterize the concentrations of COIs within areas where fill material has been placed. There were no subsurface soil samples collected from the Downgradient Native Exposure Area (DU07/DU08) or the Native Soil Background Area (DU09). See Figure 4-1 for DPT soil boring locations in each DU.

The subsurface soil sampling program was completed between August 7, 2023 and August 9, 2023. To enable the collection of subsurface soil samples, drilling subcontractor Cascade Environmental of Barre, Vermont advanced eight soil borings within each of the six DUs by DPT using a track-mounted Geoprobe® drilling rig. Soil borings were advanced by driving a 2.5-inch diameter, 5-foot long Macrocore® liner. Upon retrieval of each liner, Mabbett used a Macrocore® cutting tool to remove a portion of the liner sleeve to collect grab samples of representative aliquots of soil for field screening analysis using a PID and to describe the lithology of subsurface materials. The soil description, USCS symbol, Munsell codes, field screening results, sample recovery, and sample time were recorded on boring log forms, copies of which can be found in Attachment C.

After screening and describing soils, subsurface soil sampling proceeded using the methodology established in the UFP-QAPP. Subsurface soil samples were analyzed for VOCs, PAHs, PCBs, TAL metals, hexavalent chromium, total organic carbon (TOC), and grain size. VOC samples were collected as a single 5-gram plug either from areas of staining, odors, or elevated PID readings or, if there was no indication of contamination, from the mid-point of the sample interval. Samples for grain size were collected directly into a plastic bag or equivalent container. Samples for grain size do not require mixing before shipping to the laboratory. Samples for all other analyses were collected by extruding the contents of the liner into a stainless-steel bowl, homogenizing the sample, and collecting a representative aliquot into laboratory-provided sampling containers.

Each soil boring was advanced to a maximum depth of 10 feet below ground surface (bgs). Based on observations made by the Mabbett field geologist, each boring was divided into two parts representing the two different strata: the fill material, which generally ranged from a depth of 1 foot to 5 feet bgs, and the underlying tight Presumpscot silt, which ranged from the extent fill layer to the bottom of each boring. Till was not encountered during the DPT investigation. The fill material and the silt were collected as separate samples for VOCs, PAHs, PCBs, TAL metals, hexavalent chromium, TOC, and grain size analysis at each boring. The top 1 foot of material in each boring was excluded from the fill material samples since the top foot was represented by the surface soil ISM samples.

Eight subsurface soil field duplicate samples were collected during the Phase III RI.

5.0 UNDERGROUND UTILITY CORRIDOR INVESTIGATION

To investigate whether the drain line running through the northern portion of the FUDS Project Area provides a preferential pathway for the migration of contaminants from the former debris disposal areas in the Historical Fill Area, an underground utility corridor investigation was completed on October 11, 2023 and October 12, 2023. See Figure 5-1 for the drain line soil boring, piezometer, and catch basin sampling locations.

5.1 Drain Line Subsurface Soil Investigation

As described in Section 2.4, the underground utility corridor location could not be definitively confirmed. DPT was the primary method of drilling along the storm drain line as proposed in the QAPP, but without a precision utility markout, DPT posed a risk of penetrating and compromising the underground utility line. To limit the risk of encountering the underground utility line, Mabbett modified the investigative approach to utilize a less invasive drilling method. After consultation with the USACE Project Delivery Team (PDT), Mabbett advanced the three borings using a manual direct push Geoprobe® with 1.125-inch diameter, 2-foot long Macrocore liners. This less invasive drilling method minimized the risk of compromising the storm drain line or any other uncleared utilities.

The locations of the three proposed borings were selected using historical airport utility maps and the findings of the 2017 geophysical survey. The maps depicted the location of the storm drain line and utility line just beyond the southern boundary of the tarmac. Based on field reconnaissance of the proposed boring locations and the results of the GPR survey, the initial locations of SB-201 and SB-202 were retained but SB-203 was moved 60 feet to the west, adjacent and downgradient of the exposed catch basin (shown as SB-203R on Figure 5-1). Proximity to the underground drain line was verified at each location by advancing several test borings to 5 feet bgs to observe whether the soil was native or resembled pipe bed fill material. The presence of pipe bed fill material provided evidence that the soil boring was within close proximity of the storm drain line and therefore representative of material that would be impacted by a release from the utility line.

Once their proximity to the underground drain line was confirmed, SB-201, SB-202, and SB-203R were advanced up to 6 feet bgs until native soil was encountered. Pipe bed fill material was observed between 2 and 5 feet bgs in each soil boring, with native soil underlying the fill. Following the hand drilling of the borings and retrieval of the liner, Mabbett used a Macrocore® cutting tool to remove a portion of the liner sleeve to collect representative aliquots of soil for field screening analysis using a PID and to describe the lithology of subsurface materials. The soil description, USCS symbol, Munsell codes, field screening results, sample recovery, and sample time were recorded on a boring log form, copies of which can be found in Attachment C. Soil samples were collected within the fill material and the native clay just below the fill material and analyzed for VOCs, PAHs, and TAL metals. Borings SB-201 and SB-202 required advancement of an adjacent boring to obtain sufficient sample volume for the full suite of analysis and to perform duplicate analyses.

Elevated PID readings of up to 122 parts per million by volume (ppmv) were detected during the PID field screening of the native and fill material in SB-203R and the fill material in SB-202. In SB-203R, indications of petroleum impacts (medium-strength waste oil odor, visible sheen) were observed from the 2- to 4-foot depth interval. SB-203R was installed approximately 1 foot from the catch basin. The 2- to 4-foot depth interval at SB-203R contained unconsolidated site-sourced silty fine sand with sub-angular to sub-rounded gravel overlying the drain line bedding fill material from 4 to 5 feet deep. As a result of these observations, an additional discrete sample was collected from the 2- to 4-foot depth interval that was not part of the initial scope of the investigation. In SB-202, a strong diesel odor and visible sheen was observed within the 4- to 5-foot depth interval, which consisted of saturated dark grey sand and gravel fill material. A soil sample was collected from the 4- to 5-foot depth interval as part of the initial scope that included sampling of the fill material. Photos of the impacted soil can be found in the daily reports dated October 11, 2023 and October 12, 2023 (Appendix A).

5.2 Piezometer Installation and Sampling

Perched water was observed within porous native soil/fill material ranging from 2 to 6 feet bgs in all three boring locations (SB-201, SB-202, and SB-203R). A temporary 1-inch diameter polyvinyl chloride (PVC) piezometer was manually installed into each boring. Each piezometer was screened from the bottom of the soil boring to 5 feet above the bottom of the boring.

Water samples were collected from each piezometer using a peristaltic pump. Prior to and immediately following sample collection, groundwater quality parameters were collected using a field-calibrated Yellow Springs Instruments (YSI) water quality meter equipped with a flow through cell (connected to the discharge end of the peristaltic pump tubing) to measure temperature, pH, oxidation-reduction potential (ORP), specific conductivity, dissolved oxygen (DO), and turbidity. Measurements were recorded onto field forms, which are included in Attachment C.

Water samples were submitted for laboratory analysis of VOCs, PAHs, and TAL metals (total and dissolved). Samples collected for dissolved metals were field filtered using dedicated disposable laboratory-supplied sterile 0.45-micrometer (µm) membrane filters. Water samples were labeled, placed in an iced cooler, and delivered by courier to Katahdin on the following day.

5.3 Catch Basin Investigation

A catch basin, which is part of the storm drain line, is located adjacent to the southern edge of the tarmac. During the August 1, 2023 GPR investigation, the catch basin was full to grade with water and sediment and no flow was observed. On October 12, 2023, a soil sample, labeled SB-204, was collected from the material settled inside the catch basin using the manual direct push Geoprobe®. A grab sample was collected from within the liner and was submitted for analysis of VOCs, PAHs, and TAL metals.

In addition, a temporary piezometer was placed in the same location as SB-204. Water was purged from the piezometer using a peristaltic pump and polyethylene tubing. Water quality parameters were collected using a YSI water quality meter and recorded on a field sheet (Attachment C). A grab sample was collected from the piezometer for laboratory analysis of VOCs, PAHs, and TAL metals (total and dissolved). The sample for VOC analysis was collected first, followed by containers for other analyses. The sample collected for dissolved metals was field filtered using a dedicated disposable laboratory-supplied sterile 0.45 µm membrane filter. The sample was labeled, placed in an iced cooler, and delivered by courier to Katahdin laboratories the following day.

6.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Environmental samples were collected and analyzed to refine the conceptual site model, provide inputs to the human health and ecological risk assessments, and provide a technical basis to develop remedial alternatives for the FS. Quality control and quality assurance procedures are used at each step in the data collection process to provide data that are of known quality; these QA/QC procedures are specified in the UFP-QAPP.

Sample results are provided and discussed in Section 7.0. As of the date of this report, validation of this data is underway but has not been completed. Therefore, the analytical data presented in Section 7.0 have not been validated and the usability assessment has not been completed. Recognizing that the data have not been validated and a usability assessment, based on validated data, has not been completed, this section discusses the planning documents, deviations from the planning documents, and leaves place holders to discuss data validation and the usability assessment after the FUDSCHEM Automated Data Review (ADR) and the data validation are certified and approved.

6.1 Deviations from the QAPP

Laboratory QC criteria were exceeded for the PAH analyses of soil samples and several minor changes from the QAPP were implemented during the field investigation, as discussed below.

6.1.1 PAH Analysis of Soil Samples

During the analyses of PAHs in soil, surrogate recoveries and laboratory control spike (LCS/D) recoveries were below the acceptable recovery criteria (<10% recovery). These QC issues were identified for 25 soil samples, resulting in sample data that should be considered biased low. Upon discovering these issues and identifying the source problem (the lab's use of a new Tubovap), Katahdin re-extracted and re-analyzed 20 of these samples. The re-extractions and re-analyses were performed outside of two times the 40-day holding time for PAHs in soil.

The re-extractions and re-analyses yielded similar low surrogate and LCS/D recoveries as the original extractions/analyses. The data review was able to correlate the recoveries of the two surrogates (one low and one high molecular weight surrogate) with the LCS/D recoveries and made a recommendation to reject (change qualifier X to R) those PAH compounds (usually the lower molecular weight) associated with surrogate or LCS/D recoveries that were below 10 percent. Based on the surrogate exhibiting recovery of less than 10 percent (2-methylnaphthalene-d10, which is associated with lower molecular weight PAHs), the four PAH compounds where non-detects warrant rejection (R) are naphthalene, 2-methylnaphthalene, acenaphthylene, and acenaphthene. Following a discussion with the PDT, nondetect PAH results for these four compounds in the affected 25 samples were rejected (R). In accordance with data validation guidelines, positive results for the affected PAH compounds were qualified as biased low (J-).

Mabbett evaluated the impacted sample results to further determine whether the potential bias would result in data gaps for the delineation of the nature and extent of contamination and/or the risk assessments. Four discrete subsurface soil samples were identified as warranting resampling based on QC issues and their role in determining the vertical delineation of PAHs; an additional 14 subsurface soil samples were identified as having QC issues but were less critical with regard to vertical delineation. Seven other subsurface soil samples with QC issues were identified; however, these were collected from below a shallower sample that already bounded the vertical extent of PAHs.

6.1.2 Modifications to Soil DU Boundaries

No modifications were made to the soil DU boundaries. All DPT locations were collected within the DU boundaries shown on Figure 3-1.

6.1.3 Modification of Underground Utility Corridor Sampling

As discussed in Section 5.0, GPRS was unable to locate the storm drain line using a traceable rodder/electromagnetic locator because the on-Site catch basin is blocked with sediment. Utility cart GPR was used instead to locate and mark the storm drain line at approximately 6 feet below surface proximate to the western end of the drain line (SB-201 soil boring location). Grid scanning of the remaining drain line corridor was unable to locate the drain line as the effectiveness of the GPR was inhibited by obstructions such as vegetation and compacted concrete at the ground surface. Due to the accuracy limitations of the utility location methods, Mabbett and USACE agreed to relocate the eastern SB-203 soil boring approximately 60 feet to the west to be adjacent to the on-Site catch basin, where the location of the drain line could be inferred. Relocating this boring was determined to meet the QAPP objective of investigating whether the utility corridor provides a preferential pathway for the migration of contaminants from the former debris disposal areas.

DPT was the drilling method proposed in the QAPP for the advancement of borings along the storm drain line. However, without an accurate utility mark-out, drilling contractor Cascade expressed concerns regarding the use of DPT within a distance that was close enough to the drain line to achieve the project objectives (i.e. +/- 5 feet). Mabbett recommended the use of manual direct push Geoprobe® in an email to USACE on August 8, 2023 and received concurrence with the change in a reply email on August 9, 2023. The sampling approach using the manual direct push method was similar to the original plan except for the size of the tooling and the method of advancement; continuous sampling was performed with a lined macro-core sampler, with the intention of each boring intersecting the pipe bed fill material and extending into underling undisturbed soils. Each soil boring encountered pipe bed fill material and all of the planned samples were collected, therefore the alternative boring advancement method met the objectives of the QAPP.

6.1.4 Catch Basin Investigation

There is a catch basin located adjacent to the southern edge of the tarmac. In August 2023, the catch basin was observed to be filled to grade with water and sediment and no flow was observed. The approved QAPP did not include any sample collected from this catch basin, however due to the presence of sediment and water in this basin, Mabbett collected samples of these media to provide further data for the evaluation of the role of the drainage system in contaminant transport. In October 2023, a solid sample, labeled SB-204 was collected from the material settled inside the catch basin and analyzed for VOCs, PAHs, and TAL metals. In addition, a temporary piezometer was placed in the same location as SB-204 and a water sample was collected from the piezometer for laboratory analysis of VOCs, PAHs, and TAL metals (total and dissolved).

6.1.5 Screening Levels

The QAPP narrative references EPA Residential Soil RSLs (THQ=0.1) for human health risk-based screening levels but the QAPP tables reference EPA Residential Soil RSLs (THQ=1.0). Since FUDSCHEM has been approved with THQ=1.0, the human health risk-based screening levels used for comparison with soil analytical data in this report (Tables 7-1 through 7-3) are the EPA Residential Soil RSLs with THQ=1.0. While a THQ based on 1.0 may not account for the additive effects of chemicals with non-cancer endpoints, residential RSLs based on a THQ of 1.0 are protective of current and foreseeable future non-residential receptors. The use of screening levels to identify contaminants of potential concern for the risk assessment will be re-evaluated in accordance with the procedures outlined in the Risk Assessment Work Plan for the project.

6.2 Data Review and Validation

As noted in the introduction to this section, this project was designed to be fully compliant with the FUDSCHEM database and its reporting requirements. At the QAPP and eQAPP preparation stage, laboratory methods, reporting limits, and QC limits were entered into the FUDSCHEM database along with screening levels and data validation parameters and action criteria. This was done to allow FUDSCHEM to perform an ADR and to generate

flagging codes providing QC information to the data validator and user. A Mabbett project chemist will manually review the ADR output against the laboratory data reports to verify the appropriateness of the ADR flagging and to identify significant systematic issues that may not have been identified in the ADR. At the time of this writing, the ADR process has been completed and the manual review process is in progress

The laboratory has reported the data through FUDSCHEM and it has been reviewed/certified but not yet approved. The data used to generate the tables reported and discussed in Section 7.0 were exported from FUDSCHEM. In advance of receiving the data in FUDSCHEM and ADR-compliant formats, a manual review was performed on the reported data. This review included a check of the following items in the data packages:

- Completeness of the requested numbers of samples and analyses
- Case narrative
- Reported QC results
- Sample results
- Laboratory flagging codes

Although comprehensive data validation has not been completed as of the submittal of this report, a preliminary review of laboratory data packages did not identify significant or systematic laboratory issues that would significantly affect the reported data, other than the PAH QC issues discussed in Section 6.1.1. Where appropriate, the laboratory used flagging codes to explain the results (e.g., U = non-detect) or to identify QC results that did not meet criteria. Laboratory flagging codes are provided on the tables reported in Section 7.0. Following formal data validation, the laboratory qualifiers may remain the same, or the ADR or data validator may change or add qualifiers to provide additional detail regarding the specific issue. Based on this preliminary review, it is expected that the large majority of the data will be sufficient for the purposes of evaluating the nature and extent of constituents on the Site and that, following data validation, the data are expected to be sufficient for use in the human health and ecological risk assessments that will be performed as a part of the RI for this Site.

6.3 Data Usability

As discussed in Section 6.2, the data from this sampling event have not undergone a full data validation as proposed in the QAPP. Based on a preliminary review of the data packages and the reported results, it is expected that the large majority of the data will be sufficient for the purposes of defining the nature and extent of contamination on the Site and will be sufficient for human health and ecological risk assessment calculations. Some resampling may be recommended to collect soil samples from critical data points based on the usability analysis that will be performed after data validation is complete.

7.0 ANALYTICAL DATA SUMMARY

This section presents a preliminary screening of analytical data collected during the Phase III RI with the risk-based SLs identified in the UFP-QAPP (Worksheet #15). The risk assessments may use more recent SLs, if they are updated before the data are used for the risk assessments. SLs and their hierarchy for the risk assessments are discussed further in the Risk Assessment Work Plan (RAWP) (Appendix E of the UFP-QAPP). A more detailed evaluation of these data will be provided in the RI report along with other data collected for this Site (e.g., other groundwater sampling rounds).

7.1 Data Table Format

The draft laboratory data for both site and background samples are presented in the following tables:

Table 7-1 Surface Soil ISM
Table 7-2 DPT Subsurface Soil Samples
Table 7-3 Drain Line Water Samples
Table 7-4 Grain Size Sample Tabulation

As discussed in Section 6.0 above, the data included on the tables have not been validated. Laboratory qualifiers, only, are included with the data. Laboratory data qualifiers and their definitions are provided at the end of each table. Following validation, the data validator may add to or change the qualifiers and associated definitions. Different qualifiers may be used in subsequent versions of this report and in the RI.

In each table, where applicable, laboratory data are compared with the screening levels approved in the UFP-QAPP (Worksheet #15). Non-detect results are reported to the limit of detection and flagged U (LOD U). Detected results at concentrations above SLs are highlighted in the tables and discussed briefly in Section 7.3. These results will be evaluated in more detail in the risk assessment sections of the RI report.

The SLs and their sources are discussed in the following subsection. The remaining subsections briefly discuss the data and the findings. Some summary statistics are presented, including the frequency of results above SLs. These are provided to give a sense of proportion to the detected values and are not intended to replace a DU-by-DU evaluation as will be done in the risk assessment using validated data. An evaluation of completeness and potential data gaps as they related to the risk assessments and an evaluation of the nature and extent of contamination will be completed based on the forthcoming validated data and the usability evaluation of that data.

Laboratory data reports, SEDDs, and data validation reports will be available for review and download from the FUDSCHEM portal and are not included in this Data Gap Report.

7.2 Screening Levels

The screening levels approved in the UFP-QAPP are presented in Tables 7-1 through 7-3 and are used to provide context to the detected results. Further evaluation of the detected concentrations will be provided in the risk assessment sections in the RI. The risk assessments may also use more recent screening levels, if they are updated before the data are used for the risk assessments. Detected concentrations above the SLs may warrant additional evaluation. The risk assessment will not be conducted until the Site is fully characterized and the data set determined to be robust enough for the risk assessments. This level of evaluation cannot be done until the data is validated. Using validated data, the first steps in the risk assessment process are to compare the results to background results and appropriate screening levels to determine which analytes should be carried through a more detailed risk assessment.

The SLs included in the data tables in this report are from Worksheet #15 of the UFP-QAPP. Criteria from various human health and ecological risk assessment sources were used to generate SLs. Of the available SLs for each target constituent and matrix, the lowest criterion for each constituent and matrix was selected to include as the SL.

The following sources were used to determine the SLs for each matrix. Full references are provided in Section 10.

7.2.1 Soil

- 2022 EPA Regional Screening Levels (RSLs) for residential soil (TR=10-6, THQ=1.0).
- 2018 EPA Region 4 Ecological Soil Screening Levels (SSLs).

Subsurface soil samples are not compared to the ecological SSLs.

7.2.2 Groundwater

- Human health RSLs for tap water (TR=1E-06, THQ=1.0) (USEPA 2020).
- Maximum contaminant levels (MCLs) for drinking water (USEPA 2020).

7.3 Preliminary Screening of Analytical Data

This section provides a summary of the preliminary screening of analytical data collected during the field investigation.

7.3.1 Surface Soil ISM Analytical Data

A comparison of surface soil ISM analytical data to risk-based SLs is presented in Table 7-1. SL exceedances detected in surface soil samples are shown on Figure 7-1. A brief discussion of the surface soil ISM analytical results is presented in this section. A more thorough evaluation of the nature and extent of constituents, including an evaluation of replicate data, will be included in the forthcoming RI report.

VOCs. Detections of VOCs in surface soil ISM samples were extremely limited. Only acetone, methyl acetate, methylene chloride, naphthalene, and p-cymene were detected in surface soil ISM samples. Acetone and methylene chloride were detected above their SLs in sample DU08-SU01. Acetone was also detected above its SL in samples DU07-SU04-A and DU07-SU04-B. Both acetone and methylene chloride are considered lab contaminants. Methyl acetate was detected in all surface ISM samples.

PAHs. The concentrations of sixteen PAHs were reported above the SLs in at least one surface soil ISM sample. Benzo(a)pyrene and benzo(b)fluoranthene were detected above the human health RSL for resident soil. The other 15 PAHs were detected above their ecological risk-based SLs.

The majority of SL exceedances were observed in DU01 through DU06, which are located in the historical fill area. Concentrations of PAHs in soil generally decreased in the downgradient, upland soil areas: in DU07-SU01 there were eight PAHs exceeding SLs; in DU07-SU02 there were five PAHs exceeding SLs; and no PAHs were reported above SLs in the surficial soil samples collected from DU07-SU03 through DU07-SU07. In the downgradient wetland soil areas, there were PAHs exceeding SLs in soil samples collected from DU08-SU01 through DU08-SU03, but no exceedances in the samples collected from DU08-SU04 through DU08-SU07. There were no PAHs detected above SLs in the background data set (DU09-SU01 through DU09-SU07).

PCBs. Aroclor-1254 was detected above the ecological risk-based SL of 41 µg/kg with a concentration of 5,400 µg/kg in surface ISM soil sample DOW-DU03-A. Only one other PCB Aroclor was detected in surface ISM soil samples (Aroclor 1260 in DU07-SU06-C), reported below the SL.

Metals. The concentrations of twelve metals were detected above SLs (which are often ecological risk-based SLs) in at least one surface soil ISM sample in DU01 through DU06. Only arsenic was detected above the human health RSL for resident soil. Hexavalent chromium was detected below the SL, in at least one of the triplicate soil samples collected from DU01 through DU06.

Seven metals were detected above SLs in surface soil ISM samples collected from DU07 (downgradient upland soil) and DU08 (downgradient wetland soil). These same metals, plus manganese, were detected above SLs in at least one background decision unit (DU09).

Hexavalent chromium was detected above the SL in each of the three triplicate samples collected from DU07-SU03 and the ISM samples collected from DU08-SU01 and DU08-SU02. Hexavalent chromium was detected at concentrations below the SL in at least one of the ISM samples collected from DU07-SU01, DU07-SU05, DU07-SU07, DU08-SU05, DU08-SU06, and DU08-SU07.

7.3.2 DPT Subsurface Soil Analytical Data

A comparison of subsurface soil analytical data to risk-based SLs is presented in Table 7-2. The location of SL exceedances in shallow subsurface soil samples (fill layer - 1 foot deep to Presumpscot layer) is presented on Figure 7-2. A brief discussion of the subsurface soil analytical results is presented in this section.

VOCs. Detections of VOCs in subsurface soil samples were limited. Several petroleum-related VOCs (benzenes, dichlorobenzenes, trichlorobenzenes, trimethylbenzene) were detected in the soil sample collected from DU01-SS01 from 1- to 2-feet bgs and the soil sample collected from DU05-SS01 from 5.5- to 10-feet bgs. Acetone was detected in several samples, but is considered a laboratory contaminant. No VOCs (including chlorinated VOCs) were detected above their respective SL.

PAHs. Thirteen samples; four located in DU01, five located in DU03, three located in DU05, and one located in DU06, contained a least five PAHs that were detected above their human health risk-based SL. Benzo(a)pyrene was detected above the human health RSL for resident soil of 110 ug/kg in 23 samples. Benzo(b)fluoranthene was detected above the human health RSL for resident soil of 1,110 ug/kg in 11 samples.

PCBs. There were only two PCB detections above laboratory reporting limits in the subsurface soil samples collected during the Phase III RI. Neither detection was above the human health risk-based SL.

Metals. The concentrations of three metals (arsenic, cadmium, and lead) were detected above the human health risk-based SLs in at least one subsurface soil sample. Similar to surface soils, arsenic was detected above the human health residential RSL (TR = 1E-06, THQ = 1.0) in each subsurface soil sample. Only two samples contained cadmium or lead above the human health residential RSL.

Hexavalent chromium was detected above its SL in shallow subsurface soil samples collected from DU01-SS01, DU01-SS02, DU04-SS02, DU04-SS03, DU04-SS04, DU04-SS06, DU05-SS03, DU05-SS07, DU06-SS02, and DU06-SS03. The maximum concentration of hexavalent chromium was detected at DU04-SS02-01-2.5 with a concentration of 5.48 mg/kg, one order of magnitude above the SL of 0.3 mg/kg.

7.3.3 Drain Line Subsurface Soil Analytical Data

A comparison of drain line subsurface soil analytical data to risk-based screening levels is presented in Table 7-2. A brief discussion of the drain line subsurface soil analytical results is presented in this section.

VOCs. Detections of VOCs in discrete soil samples collected during the drain line investigation were limited. There were no VOCs detected above SLs in any of the subsurface samples collected during the drain line investigation. 4-methyl-2-pentanone was detected in 3 of the 7 samples at concentrations well below SLs. Of note, chlorinated solvents were not detected in soil samples collected from the drain line.

PAHs. Three soil samples (SB-201-0405, SB-203R-0204, and SB-203R-0405) contained PAH concentrations that were detected above SLs. A total of five different PAHs were detected above SLs between the three samples.

Metals. The concentration of arsenic detected in each sample exceeded the human health risk-based SL. No other metals were detected above SLs in the subsurface drain line soil samples.

7.3.4 Drain Line Water Analytical Data

A comparison of water analytical data to risk-based screening levels is presented in Table 7-3.

VOCs. Detections of VOCs in the water samples collected during the drain line investigation were limited. 4-methyl-2-pentanone, acetone, and toluene were detected at trace levels in the water sample collected from SB-202. TCE was detected in this sample at a concentration exceeding its SL. Toluene was detected in 3 of the 4 water samples.

PAHs. Seven PAH compounds were detected above the EPA RSLs for Resident Tap Water in the water sample collected from SB-203R. PAHs were detected in two other water samples at concentrations exceeding SLs.

Total Metals. The concentrations of seven metals were detected above SLs in at least one drain line aqueous sample. No metal concentrations exceeded EPA MCLs. The highest concentrations of metals were detected in the sample collected from SB-202.

Dissolved Metals. There were no dissolved metals detected above EPA RSLs for Resident Tap Water or EPA MCLs in any of the drain line water samples collected during the drain line investigation.

7.4 Grain Size Analysis

A summary of grain size analysis results is provided in Table 7-4. Surface soils encountered during the investigation were characterized through grain size analysis as consisting of predominantly silty clay and fine to medium sand, with coarse sand and gravel representing generally less than 20 percent. The percent of silt and clay in surface soils varied from 28.92 percent to 69.97 percent.

Subsurface soil samples were far more graded than surface soil as the percent of silt and clay varied from 12.78 percent to 95.32 percent. The percent of coarse grain sand and gravel varied from 0.24 percent to 97.71 percent.

7.5 Investigation Derived Waste Management

Solid IDW generated during the Phase III RI included soil cuttings from the DPT and sonic drilling programs and used personal protective equipment (PPE). Liquid IDW generated during the investigation included well development water, well purge water, and liquids used for decontamination of equipment. A total of 51 drums of IDW (17 solid, 31 liquid, and 3 PPE) were generated. This IDW included solid and liquid waste that was generated during the field activities covered in this Data Gap Report as well as activities that are not covered in this Data Gap Report (e.g. new monitoring well installation, well development, groundwater sampling).

One representative composite sample of each waste stream was collected on September 21, 2023 and shipped by courier to Katahdin for laboratory analysis. This solid-phase IDW sample was submitted for laboratory analysis of VOCs, SVOCs, pesticides, herbicides, and metals by the Toxicity Characteristic Leaching Procedure (TCLP) and for corrosivity (pH) and ignitability analysis. This liquid-phase IDW sample was submitted for laboratory analysis of VOCs, SVOCs, organochlorine pesticides, herbicides, metals, corrosivity (pH), and ignitability.

A second representative sample of each waste stream was collected on October 12, 2023 and shipped by courier to Katahdin for analysis of per- and polyfluoroalkyl substances (PFAS). IDW samples were submitted for laboratory analysis of PFAS, with prior approval from USACE, due to the presence of a known release of PFAS in the upgradient Fire Training Area Site.

The IDW analytical data was managed separately from the Phase III RI field samples and outside of FUDSCHEM in order to expedite waste profiling and to arrange for transportation and disposal. The IDW waste profiles are provided in Attachment D. IDW waste manifests and laboratory data reports are provided as an attachment to Data Gap Report No. 2.

On May 15, 2024, Mabbett and waste management subcontractor Strategic Environmental Services (SES) of Sutton, Massachusetts were on-site to transport the IDW drums to Republic Services' Michigan Disposal Waste Treatment Plant in Belleville, Michigan (EPA ID# MID000724831). Details on the management of IDW are provided in Data Gap Report No. 2.

8.0 SUMMARY AND CONCLUSIONS

The following problem statement was developed for the UFP-QAPP to guide investigation activities:

Historical environmental investigations and other available military documentation suggest that VOCs, PAHs, PCBs, and metals may have been released to the environment in the Aviation Fuel Filter/Drum/TCE Disposal Area FUDS. For these constituents of interest (COIs):

1) *Additional characterization and delineation are needed to assess potential releases from DoD operations.*
2) *The nature and extent of impacts has not been fully delineated.*
3) *Whether constituents have migrated and via which pathways has not been determined.*
4) *Associated human and ecological risks have not been evaluated.*
5) *The extent to which COIs are present due to historical FUDS-related activities is unresolved.*

The 2008 SI and 2017/2018 Phase I and initial Phase II RI investigations focused on identification and characterization of specific areas within the Dow Disposal Site, to identify constituents that may present human health or ecological risk that would require an immediate removal action, and general characterization of conditions across the FUDS Project Area and in its immediate downgradient vicinity. The Phase III RI was designed to expand on these prior investigations to adequately characterize soil and overburden groundwater within the FUDS Project Area following previous removal actions, to assess the possibility of downgradient migration, and to understand Site conditions relative to non-FUDS-related factors such as background or upgradient releases. The following objectives were developed to provide the basis for the Phase III RI field program:

Goal 1: Determine whether there are concentrations of COIs (VOCs, PAHs, PCBs, and/or metals) above risk-based screening criteria in soil within and adjacent to the six identified potential source areas.

Goal 2: Determine whether COIs are present on the Site in downgradient media (unfilled areas of upland soil and wetland soil) at concentrations that suggest COIs may have migrated from the Historical Fill Areas portion of the Site. Specifically, downgradient media could be impacted by an identified potential source area or an additional, as yet, unidentified and uncontrolled source area(s).

Goal 3: Determine whether constituents, particularly those that are prone to downward migration, such as chlorinated solvents, are present in subsurface soils and overburden groundwater.

Goal 4: Assess the depth and thickness of the low permeability layers and the condition of the bedrock surface for evidence of weathering that could serve as a potential migration pathway to and within bedrock. Evaluate overburden hydrogeology and controls on groundwater flow to determine contaminant migration pathways in the overburden aquifer.

Goal 5: Determine the regional natural and anthropogenic background concentrations of COIs from “Native Areas” (with no history of military use or evidence of fill) located beyond the FUDS Project Area. Perform a statistical comparison of constituents in the FUDS Project Area with background.

Goal 6: Estimate the potential risks to human health and ecological receptors associated with exposure to FUDS-related COPCs under current and reasonably anticipated future land use scenarios.

Goal 7: Investigate the identified storm drain corridor as a potential preferential migration pathway, especially for more mobile constituents, such as chlorinated VOCs.

The soil sampling portion of the Phase III RI that is documented in this Data Gap Report addresses Goals 1, 2, 5, and 7. Goals 3 and 4 will be addressed following evaluation of the monitoring well installation and groundwater

sampling tasks are complete and Goal 6 will be addressed after the nature and extent of contamination has been delineated and a sufficiently robust data set has been developed to support the baseline risk assessments. The following sections provide a discussion relative to whether the Phase III RI soil investigation achieved Goals 1, 2, 5, and 7 and identifies data gaps remaining if the goals are not achieved.

8.1 Summary of Soil Analytical Data in DU01 through DU06 (Goal 1)

The concentrations of PAHs and metals detected in surficial soil ISM samples collected from the six Historical Disposal Areas (DU01 through DU06) exceeded risk-based SLs, confirming that residual impacts from the historical disposal of fuel filters and other debris remain within the filled portion of the FUDS Disposal Area. The concentrations are of a similar magnitude throughout each of the six areas, suggesting the fill material may be the source of contaminants rather than the various different types of disposal that occurred in these areas. Since the Phase III RI field work focused solely on the disposal areas themselves, the extent of PAHs and metals impacts to surficial soils has not been delineated throughout the filled portion of the FUDS Project Area.

The concentrations of PAHs and metals detected in discrete shallow subsurface soil samples, collected from fill material from 1 foot bgs to the top of the native Presumpscot clay, within the six Historical Disposal Areas also exceeded risk-based SLs. For PAHs, the highest concentrations were detected in samples collected from DU01, DU03, DU05, and DU06; with a substantial reduction in concentrations observed in deeper subsurface soil samples collected from the Presumpscot clay. This pattern provides further support to the theory that PAH contamination is relegated to fill materials (shallow subsurface samples) but impacts to the Presumpscot clay/tight silt (deep subsurface samples) are limited. For metals, the number and magnitude of exceedances was similar for both shallow and deep subsurface soil samples. The extent of PAHs and metals impacts to subsurface soils has not been delineated within the filled portion of the FUDS Project Area.

The limited number and magnitude of VOC detections in surface and subsurface soil samples collected from the six Historical Disposal Areas do not suggest that a release of VOCs occurred in this area or that the fill material contains significant levels of VOCs.

There was one detection of PCBs that exceeded SLs in one of the surface soil ISM samples collected from DU03. PCBs were not detected in the two replicate ISM samples collected from this DU, suggesting the presence of a highly localized source of PCB contamination within this DU. There was one SL exceedance for PCBs in a shallow subsurface soil sample collected from DU03 and one SL exceedance for PCBs in a shallow subsurface soil sample collected from DU04. The extent of PCB contamination in these DUs has not been delineated.

8.2 Summary of Soil Analytical Data in DU07 and DU08 (Goal 2)

While there were exceedances of risk-based SLs for PAHs in surficial soil ISM samples collected from the Downgradient Native Soil Area (DU07 and DU08), concentration levels were substantially lower than those observed in the Historical Fill Area (DU01 through DU06). The SUs exhibiting the highest concentrations of PAHs, and the largest number of exceedances, were DU07-SU01, DU07-SU02; DU08-SU01, and DU08-02. These SUs are the furthest north of the SUs in the Downgradient Native Soil Area and the closest to the filled portion of the Site, suggesting that the migration of contamination from the filled portion of the Site to the downgradient areas is the primary source of contamination to upland and wetland soils in the Downgradient Native Soil Area. The approximate extent of PAH impacts in the unfilled portion of the Site appears to have been delineated.

The concentrations of metals detected in soil samples collected from the Downgradient Native Soil Area were similar to those detected in soil samples collected from the Historical Fill Area, suggesting that metals have not significantly impacted the downgradient soils.

There were no PCBs detected above SLs in soil samples collected from the Downgradient Native Soil Area

8.3 Summary of Soil Analytical Data in DU09 (Goal 5)

There were no PAHs detected above SLs in any of the surface soil ISM samples collected from the Native Soil Background Area. While there were sporadic exceedances of SLs for metals, the concentrations detected appear to resemble background since they are relatively low and similar to each other. Background samples were not analyzed for the presence of PCBs or hexavalent chromium.

Since there were no SL exceedances observed for PAHs in the background samples, the presence of PAHs above SLs in Site samples cannot be attributed to background. However, several metals were detected above SLs in both Site (DU01 through DU08) and background (DU09) samples. EPA's ProUCL software package was used to analyze the background soil data collected from DU09 in order to calculate a background exposure point concentration that could be compared to analytical data collected from the Site DUs (DU01 through DU08). This preliminary background analysis was limited to four metals that were frequently detected above SLs in ISM surface soil samples collected from both Site samples and background samples: arsenic, chromium, lead, and mercury.

The purpose of this comparison was to evaluate the extent to which SL exceedances for metals can be attributed to the former military activities on the Site as opposed to natural background conditions. A comparison of surface soil ISM analytical data from DU01 through DU08 to the calculated background values was conducted. Based on this analysis, it appears that the concentrations of arsenic, chromium, and lead detected in ISM soil samples collected from the Historical Fill Area exceed both SLs and background, whereas the concentrations of mercury detected in these soil samples generally do not. In DU07, exceedances of SLs were ubiquitous but exceedances of background were much less frequent (3/21 for arsenic, 2/21 for chromium, 1/21 for lead, and 14/21 for mercury). Similarly, in DU08 exceedances of SLs were frequent, but exceedances of background were infrequent (2/9 for arsenic, 3/9 for chromium, 1/9 for lead). Overall, this comparison provides some context to the SL exceedances for metals in soil, suggesting the impacts are less significant than the number of SL exceedances shown in the data tables.

8.4 Summary of Drain Line Soil Investigation (Goal 7)

Several PAHs were detected above SLs in the soil samples collected from pipe bedding material in borings SB-201 and SB-203R, advanced along the drain line. The highest concentrations were observed in the samples collected from SB-203R, which was located directly south of the catch basin. A visible sheen was observed while collecting these samples. A relatively high concentration of 4-methyl-2-pentanone (MIBK) was detected in one of these samples, but at a concentration well below the SL.

Several PAHs were detected above SLs in all three water samples collected from the drain line borings. As above, the highest concentrations were detected in the water sample collected from SB-203R. A petroleum odor was observed while collecting this water sample.

Of note, TCE was detected in the water sample collected from SB-202 at a concentration slightly above the SL but well below its MCL.

The concentrations of metals detected in the soil samples collected during the drain line investigation exceeded several SLs, but concentration levels do not appear to be significantly higher than those observed in surficial soil ISM or discrete subsurface soil samples collected from the Site. Water samples collected from the drain line soil borings (and the catch basin) had high turbidity, potentially explaining SL exceedances for total metals, but there were no SL exceedances in any of the filtered (dissolved metals) samples.

8.5 Identification of Data Gaps

Based on the review of data collected during the initial stages of the Phase III RI, the following data gaps have been identified. Additional data gaps may be identified in the future after review and analysis of soil and groundwater data collected from new and existing monitoring wells at the Site.

- **Surface Soil in Filled Portion of the Site.** The presence of PAHs above SLs within the filled portions of the FUDS Project Area was confirmed through the collection of surface ISM and discrete subsurface soil samples in DU01 through DU06. The concentrations of PAHs detected were well above background and can be attributed to historical Site operations.

  The Phase III RI sampling design was established to bias soil sample collection in the Historical Fill Area toward areas most likely to have been impacted by historical military operations. The sampling program therefore did not delineate the horizontal extent of contamination. Additional SUs should be added within the filled portion of the Site in an effort to determine the horizontal extent of PAH contamination in surficial soil. New SUs should be oriented to provide data representative of the entire filled portion of the FUDS Project Area.

  Future ISM sampling should focus on PAHs and metals, but DU03 (Man-Made Depression) should also be resampled using ISM for PCBs and an SU adjacent to DU03 should also be sampled using ISM for PCBs to investigate the potential presence of a PCB source in this area.

- **Subsurface Soil in Filled Portion of the Site.** Shallow subsurface soil samples collected throughout the Historical Fill Area contained PAHs above SLs. In the vast majority of cases, the deeper sample in the same boring contained PAHs below SLs, effectively delineating the vertical extent of contamination in that DU. Notable exceptions included DU01-SS04 (5-10) and DU05-SS01 (5.5-10). Additional subsurface soil sampling for PAHs in these two areas should be performed to determine the vertical and horizontal extent of contamination in subsurface soil.

  To address the QC issues identified for the laboratory analysis of PAHs, resampling of the deeper subsurface soils from DU01-SS08, DU03-SS02, and DU06-SS05 is recommended to confirm the absence of PAH impacts above SLs and verify the vertical delineation of PAH contamination in these areas. The other samples exhibiting QC issues were not critical to the vertical delineation of PAH contamination.

  Additionally, subsurface soil sampling using the same methodology (8 DPT soil borings advanced to 10 feet bgs) should be performed for each of the new SUs established for characterization of the filled areas of the Site that are proposed in the first bullet of this section.

  Subsurface soil sampling should focus on the delineation of PAHs and metals (including hexavalent chromium).

- **Surface Soil in Downgradient Area.** As noted above, the concentrations of PAHs detected in ISM samples collected from DU07 and DU08 were generally lower than those detected in soil samples collected from the filled portion of the Site. However, the four SUs located closest to the filled portion of the Site did contain PAHs above SLs, suggesting a concentration gradient moving north to south through the downgradient upland/wetland soil areas. In order to delineate the southern extent of PAH impacts to surface soil, additional SUs should be sampled in upland and/or wetland areas to the south of DU08-SU01 and DU08-SU02. These ISM samples should be collected in triplicate and analyzed for both PAHs and metals.

- **Subsurface Soil in Downgradient Area.** There were no subsurface soil samples collected from the Downgradient Native Soil Area during the Phase III RI. Based on the comparison of surface soil ISM analytical results to SLs, additional delineation of the vertical extent of PAHs in soil within the unfilled portion of the Site should be performed within DU07-SU01, DU07-SU02, DU08-S01, and DU08-SU02, the SUs where the highest concentrations of PAHs were detected in surface soils and which are located closest to the filled portion of the Site. Subsurface soil samples should use the same methodology (8 DPT soil borings in each SU advanced to 10 feet bgs) that was used for characterization of subsurface soil in DU01 through DU06. The discrete soil samples should be analyzed for both PAHs and metals.

- **Drain Line Investigation.** Based on analytical data and visual observations made in the field, the drain line appears to have been impacted by a release of petroleum products. Additionally, a trace concentration of TCE was detected in the water sample collected from one of the drain line borings. Additional investigation in this area of the Site is warranted to further characterize the extent of these contaminants. The next phase of investigation should include additional soil borings or test pits stepping out from the drain line to determine the extent to which contaminants have migrated through the material surrounding the drain line into the adjacent fill or native soils. Soil samples collected from these soil borings/test pits should be analyzed for VOCs and PAHs.

  Field observations made during the drain line investigation suggested that there is currently no, or very limited, flow of stormwater through the portion of the storm drain system that runs through the FUDS Project Area. It is therefore unlikely that this infrastructure currently provides a preferential pathway for the migration of contaminants to or from other areas of BIA or the former Dow Air Force Base. However, previous observations of this drain line suggest that this feature could have provided a preferential pathway for contaminant migration in the past. Additional inspection or testing could be performed to better understand the condition of the drain line and the extent of the blockages that appear to limit the volume of flow through the system and to identify whether other portions of the drain line have been impacted by contamination.

9.0 REFERENCES

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USEPA 2022. Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) Residential Soil. May.

TABLES

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU01			DU02			DU03		
		SAMPLE ID	DOW-DU01-A (FR)	DOW-DU01-B (FT)	DOW-DU01-C (FR)	DOW-DU02-A (FR)	DOW-DU02-B (FR)	DOW-DU02-C (FR)	DOW-DU03-A (FR)	DOW-DU03-B (FR)	DOW-DU03-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	26-Jul-23	26-Jul-23	26-Jul-23	01-Aug-23	01-Aug-23	01-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.130 J**	**0.130 J**	**0.100 J**	**0.0700 J**	**0.0600 J**	0.230 U	0.240 U	0.240 U	**0.130 J**
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Total Organic Carbon	Solid			**29300**	NA	NA	**25400**	NA	NA	**17000**	NA	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	0.0210 U	0.0170 U	0.0180 U	**0.0200 J-**	**0.0180 J-**	**0.0210 J-**	**0.0360 J-**	**0.0430 J-**	**0.0350 J-**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Aluminum	Solid	2022 May EPA Res Soil	77000	**15600**	**15500**	**14800**	**13200**	**13100**	**12400**	**16000**	**15500**	**15800**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.755 J-**	**0.512**	**1.08**	**0.184**	**0.203 J-**	**0.170**	**0.120**	**0.130**	**0.130**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**12.8 J-**	**10.3**	**11.4**	**12.8**	**12.4**	**12.4**	**10.6**	**8.90**	**8.36**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**49.4**	**49.0**	**50.6**	**32.9**	**31.8**	**31.0**	**51.0**	**51.9**	**50.3**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.450**	**0.452**	**0.434**	**0.412**	**0.436**	**0.408**	**0.494**	**0.482**	**0.479**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**2.14**	**1.87**	**2.33**	**0.181**	**0.126**	**0.192**	**0.289**	**0.430**	**0.682**
Calcium	Solid			**3250 J**	**2950**	**3050**	**3140**	**3590**	**3050**	**2120**	**2160**	**2050**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**32.9**	**33.0**	**36.3**	**27.0**	**25.0 J+**	**27.3**	**31.0**	**33.8**	**31.7**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**11.6**	**11.5**	**11.2**	**11.3**	**11.4**	**11.1**	**9.76**	**9.83**	**10.2**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**220**	**91.2**	**126**	**26.2**	**25.3**	**24.1**	**25.5**	**24.8**	**27.8**
Iron	Solid	2022 May EPA Res Soil	55000	**27700**	**27700**	**28100**	**26700**	**27000**	**26900**	**24500**	**24700**	**24800**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**46.6**	**38.6**	**48.4**	**15.2**	**11.5**	**13.9**	**31.1**	**23.2**	**21.0**
Magnesium	Solid			**5970 J**	**6160**	**5860**	**6030**	**5840**	**6000**	**4960**	**4830**	**4960**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**658**	**662**	**742**	**576**	**571**	**639**	**384**	**392**	**398**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**42.0**	**41.7**	**40.4**	**41.3**	**41.0**	**41.4**	**35.4**	**34.2**	**33.6**
Potassium	Solid			**1510**	**1560**	**1480**	**1440**	**1370 J-**	**1420**	**1720**	**1670**	**1600**
Selenium	Solid	2018 EPA Region IV Eco SLs	.52	**0.120 J**	**0.120 J**	**0.120 J**	0.220 U	**0.0960 J**	0.210 U	**0.170 J**	**0.180 J**	**0.190 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.183**	**0.110**	**0.144**	**0.0340 J**	**0.0320 J**	**0.0310 J**	**0.145**	**0.233**	**0.161**
Sodium	Solid			**100**	**100**	**110**	**130**	**150 J-**	**120**	**97.0**	**87.0**	**77.0**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.100**	**0.120**	**0.110**	**0.0910**	**0.0880**	**0.100**	**0.120**	**0.120**	**0.120**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**22.7**	**24.1**	**21.5**	**20.2**	**20.4**	**18.8**	**27.8**	**27.7**	**27.7**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**128 J-**	**121**	**130**	**51.3**	**49.6**	**51.3**	**55.8**	**56.0**	**56.9**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	9.20 U	10.0 U	9.40 U	9.10 U	9.50 U	49.0 U	10.0 UJ	10.0 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	9.20 U	10.0 U	9.40 U	9.10 U	9.50 U	49.0 U	10.0 UJ	10.0 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	11.0 U	12.0 U	11.0 U	11.0 U	11.0 U	58.0 U	12.0 UJ	12.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	9.20 U	10.0 U	9.40 U	9.10 U	9.50 U	49.0 U	10.0 UJ	10.0 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	9.20 U	10.0 U	9.40 U	9.10 U	9.50 U	49.0 U	10.0 UJ	10.0 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	9.20 U	10.0 U	9.40 U	9.10 U	9.50 U	**5400**	10.0 UJ	10.0 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	9.20 UJ	10.0 U	9.40 U	9.10 U	9.50 U	49.0 U	10.0 UJ	10.0 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	**46.0 J-**	**110 J-**	**67.0 J-**	**310 J-**	**280 J-**	**490 J-**	**83.0 J-**	120 UJ	110 UJ
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**140 J-**	**260 J-**	**210 J-**	**560 J-**	**470 J-**	**460 J-**	**240 J-**	120 UJ	110 UJ
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**1000 J-**	**1800 J-**	**1400 J-**	**2300 J-**	**1500 J-**	**2000 J-**	**1600 J-**	**820 J-**	**610 J-**
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**1900 J-**	**3400 J-**	**2300 J-**	**3400 J-**	**2400 J-**	**2400 J-**	**1900 J-**	**1200 J-**	**830 J-**
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**12000 J-**	**21000 J-**	**17000 J-**	**17000 J-**	**10000 J-**	**12000 J-**	**8700 J-**	**8000 J-**	**4800 J-**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**13000 J-**	**21000 J-**	**18000 J-**	**16000 J-**	**9400 J-**	**12000 J-**	**8500 J-**	**7500 J-**	**4600 J-**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**19000 J-**	**31000 J-**	**26000 J-**	**25000 J-**	**15000 J-**	**20000 J-**	**14000 J-**	**12000 J-**	**7500 J-**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**8100 J-**	**14000 J-**	**11000 J-**	**7800 J-**	**4300 J-**	**5600 J-**	**4000 J-**	**3000 J-**	**2100 J-**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**7500 J-**	**12000 J-**	**10000 J-**	**9800 J-**	**5800 J-**	**7100 J-**	**5100 J-**	**4100 J-**	**2600 J-**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**12000 J-**	**21000 J-**	**17000 J-**	**16000 J-**	**9900 J-**	**12000 J-**	**9500 J-**	**8000 J-**	**4800 J-**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**2200 J-**	**3600 J-**	**3000 J-**	**2200 J-**	**1500 J-**	**1800 J-**	**1200 J-**	**860 J-**	**600 J-**
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**26000 J-**	**44000 J-**	**35000 J-**	**37000 J-**	**24000 J-**	**25000 J-**	**26000 J-**	**22000 J-**	**14000 J-**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**440 J-**	**1100 J-**	**550 J-**	**1900 J-**	**1500 J-**	**1700 J-**	**1000 J-**	**480 J-**	**320 J-**
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**9500 J-**	**16000 J-**	**13000 J-**	**9500 J-**	**5200 J-**	**7000 J-**	**5100 J-**	**3600 J-**	**2500 J-**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	**45.0 J-**	**100 J-**	**60.0 J-**	**360 J-**	**330 J-**	**1300 J-**	**82.0 J-**	120 UJ	110 UJ
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**11000 J-**	**21000 J-**	**15000 J-**	**24000 J-**	**18000 J-**	**14000 J-**	**14000 J-**	**12000 J-**	**5200 J-**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**20000 J-**	**34000 J-**	**27000 J-**	**29000 J-**	**18000 J-**	**18000 J-**	**18000 J-**	**16000 J-**	**10000 J-**

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU01			DU02			DU03		
		SAMPLE ID	DOW-DU01-A (FR)	DOW-DU01-B (FT)	DOW-DU01-C (FR)	DOW-DU02-A (FR)	DOW-DU02-B (FR)	DOW-DU02-C (FR)	DOW-DU03-A (FR)	DOW-DU03-B (FR)	DOW-DU03-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	26-Jul-23	26-Jul-23	26-Jul-23	01-Aug-23	01-Aug-23	01-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	330 U	330 U	320 U	360 U	390 U	410 U	370 U	370 U	360 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,1-Dichloropropene	Solid			200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	330 U	330 U	320 U	360 U	390 U	410 U	370 U	370 U	360 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,2-Dichloroethene	Solid			410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	330 U	330 U	320 U	360 U	390 U	410 U	370 U	370 U	360 U
1,3,5-Trichlorobenzene	Solid			200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
2,2-Dichloropropane	Solid			200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	1000 U	1000 U	990 U	1100 U	1200 U	1300 U	1200 U	1200 U	1100 U
2-Chloroethyl vinyl ether	Solid			1000 UJ	1000 UJ	990 UJ	1100 U	1200 U	1300 U	1200 U	1200 U	1100 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	1000 U	1000 U	990 U	1100 U	1200 U	1300 U	1200 U	1200 U	1100 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
4-Methyl-2-pentanone	Solid	2022 May EPA Res Soil	33000000	1000 U	1000 U	990 U	1100 U	1200 U	1300 U	1200 U	1200 U	1100 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	1000 U	1000 U	990 U	1100 U	1200 U	1300 U	1200 U	1200 U	1100 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	410 UJ	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000		420 UJ	400 UJ	450 U	490 U	520 U	460 U	460 U	440 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
cis-1,3-Dichloropropene	Solid			200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	250 U	250 U	240 U	270 U	290 U	310 U	280 U	280 U	270 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU01			DU02			DU03		
		SAMPLE ID	DOW-DU01-A (FR)	DOW-DU01-B (FT)	DOW-DU01-C (FR)	DOW-DU02-A (FR)	DOW-DU02-B (FR)	DOW-DU02-C (FR)	DOW-DU03-A (FR)	DOW-DU03-B (FR)	DOW-DU03-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	26-Jul-23	26-Jul-23	26-Jul-23	01-Aug-23	01-Aug-23	01-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	**810 J**	**700 J**	**480 J**	**800 J**	**920 J**	**860 J**	**380 J**	**490 J**	**480 J**
Methyl tert-butyl ether	Solid	2022 May EPA Res Soil	47000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Methylcyclohexane	Solid			200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	1600 U	1700 U	1600 U	1800 U	2000 U	2100 U	1900 U	1800 U	1800 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	200 U	210 U	200 U	**140 J**	240 U	**240 J**	230 U	230 U	220 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	250 U	250 U	240 U	270 U	290 U	310 U	280 U	280 U	270 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	2000 U	2100 U	2000 U	2200 U	2400 U	2600 U	2300 U	2300 U	2200 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	2000 U	2100 U	2000 U	2200 U	2400 U	2600 U	2300 U	2300 U	2200 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	250 U	250 U	240 U	270 U	290 U	310 U	280 U	280 U	270 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
trans-1,3-Dichloropropene	Solid			200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	200 U	210 U	200 U	220 U	240 U	260 U	230 U	230 U	220 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400		420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	410 U	420 U	400 U	450 U	490 U	520 U	460 U	460 U	440 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	620 U	620 U	600 U	680 U	730 U	780 U	700 U	690 U	660 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value
U - Undetected: The analyte was analyzed for, but not detected.
UJ - The analyte was not detected; however, the result is estimated due to discrepancies in
NA - Not analyzed for this parameter
+ / - - result is likely to have a positive or negative bias.
FT/R - Field Triplicate/ Replicate
MG/KG - Milligrams per Kilogram
UG/KG - Micrograms per Kilogram

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU04			DU05			DU06		
		SAMPLE ID	DOW-DU04-A (FR)	DOW-DU04-B (FR)	DOW-DU04-C (FR)	DOW-DU05-A (FR)	DOW-DU05-B (FR)	DOW-DU05-C (FR)	DOW-DU06-A (FR)	DOW-DU06-B (FR)	DOW-DU06-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	25-Jul-23	25-Jul-23	25-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.130 J**	**0.150 J**	**0.130 J**	**0.110 J**	**0.110 J**	**0.0900 J**	**0.150 J**	**0.140 J**	**0.140 J**
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Total Organic Carbon	Solid			**40900**	NA	NA	**25600**	NA	NA	**33000**	NA	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0230 J**	**0.0300 J**	**0.0460**	**0.0150 J**	0.0180 U	**0.0100 J**	**0.0340 J-**	**0.0350 J-**	**0.0360 J-**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Aluminum	Solid	2022 May EPA Res Soil	77000	**17000**	**17000**	**15300**	**13800**	**16800**	**15300**	**14200**	**14700**	**13800**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.182**	**0.237**	**0.200**	**0.215**	**0.185**	**0.222**	**0.140**	**0.120**	**0.130**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**11.4**	**10.7**	**11.7**	**13.1**	**11.7**	**12.7**	**8.23**	**9.71**	**8.78**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**55.6**	**54.1**	**47.2**	**40.9**	**52.1**	**46.8**	**47.0**	**47.4**	**49.9**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.538**	**0.540**	**0.502**	**0.464**	**0.592**	**0.514**	**0.451**	**0.488**	**0.438**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**4.12**	**5.11**	**2.99**	**0.363**	**0.537**	**0.615**	**0.213**	**0.221**	**0.265**
Calcium	Solid			**2710**	**2550**	**2660**	**2330**	**2670**	**2740**	**3250**	**3530**	**3500**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**33.7**	**34.4**	**36.7**	**37.5**	**36.1**	**37.6**	**29.6**	**32.6**	**29.0**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**12.3**	**12.0**	**11.8**	**10.7**	**13.1**	**12.2**	**10.0**	**9.54**	**9.90**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**28.0**	**25.8**	**32.9**	**24.9**	**34.0**	**31.7**	**24.0**	**26.5**	**23.6**
Iron	Solid	2022 May EPA Res Soil	55000	**27600**	**27500**	**27800**	**23200**	**27600**	**26700**	**24300**	**23100**	**22700**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**33.7**	**29.7**	**42.6**	**21.6**	**21.4**	**24.9**	**23.5**	**22.6**	**26.1**
Magnesium	Solid			**5500**	**5670**	**5490**	**5060**	**6070**	**5720**	**5360**	**5130**	**5110**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**683**	**681**	**582**	**480**	**556**	**542**	**412**	**386**	**473**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**37.6**	**39.7**	**37.8**	**32.8**	**40.8**	**38.5**	**33.9**	**31.5**	**32.0**
Potassium	Solid			**2040**	**1920**	**1750**	**1630**	**2210**	**1900**	**1500**	**1560**	**1530**
Selenium	Solid	2018 EPA Region IV Eco SLs	.52	**0.180 J**	**0.180 J**	**0.160 J**	**0.120 J**	**0.140 J**	0.210 U	**0.150 J**	**0.180 J**	**0.160 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0570 J**	**0.0920**	**0.0590 J**	**0.0350 J**	**0.0470 J**	**0.0510 J**	**0.110**	**0.0820**	**0.110**
Sodium	Solid			**120**	**110**	**110**	**120**	**140**	**130**	**99.0**	**120**	**98.0**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.145**	**0.140**	**0.130**	**0.0980**	**0.130**	**0.120**	**0.110**	**0.130**	**0.110**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**29.8**	**29.7**	**27.9**	**26.1**	**32.0**	**27.6**	**23.5**	**24.2**	**23.2**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**101**	**85.5**	**84.2**	**58.6**	**70.8**	**71.6**	**53.8**	**53.0**	**61.0**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	53.0 U	10.0 U	10.0 U	10.0 UJ	11.0 UJ	50.0 U	53.0 U	10.0 U	10.0 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	53.0 U	10.0 U	10.0 U	10.0 UJ	11.0 UJ	50.0 U	53.0 U	10.0 U	10.0 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	62.0 U	12.0 U	12.0 U	12.0 UJ	13.0 UJ	59.0 U	62.0 U	12.0 U	12.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	53.0 U	10.0 U	10.0 U	10.0 UJ	11.0 UJ	50.0 U	53.0 U	10.0 U	10.0 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	53.0 U	10.0 U	10.0 U	10.0 UJ	11.0 UJ	50.0 U	53.0 U	10.0 U	10.0 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	53.0 U	10.0 U	10.0 U	10.0 UJ	11.0 UJ	50.0 U	53.0 U	10.0 U	10.0 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	53.0 UJ	10.0 UJ	10.0 UJ	10.0 UJ	11.0 UJ	50.0 U	53.0 U	10.0 U	10.0 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	**52.0 J-**	**16.0 J-**	**58.0 J-**	**64.0 J-**	**12.0 J-**	**44.0 J-**	**49.0 J-**	**40.0 J-**	**27.0 J-**
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**99.0 J-**	**64.0 J-**	**120 J-**	**160 J-**	**53.0 J-**	**120 J-**	**240 J-**	**150 J-**	**92.0 J-**
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**830 J-**	**460 J-**	**430 J-**	**590 J-**	**270 J-**	**940 J-**	**1400 J-**	**1000 J-**	**840 J-**
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**1200 J-**	**600 J-**	**980 J-**	**1500 J-**	**390 J-**	**1800 J-**	**2400 J-**	**1800 J-**	**960 J-**
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**7800 J-**	**4900 J-**	**5000 J-**	**9100 J-**	**2900 J-**	**11000 J-**	**14000 J-**	**11000 J-**	**8000 J-**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**8200 J-**	**4700 J-**	**5000 J-**	**8800 J-**	**2900 J-**	**11000 J-**	**16000 J-**	**11000 J-**	**8300 J-**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**12000 J-**	**7300 J-**	**7500 J-**	**13000 J-**	**4600 J-**	**18000 J-**	**22000 J-**	**16000 J-**	**12000 J-**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**5400 J-**	**3100 J-**	**3400 J-**	**5900 J-**	**2000 J-**	**7200 J-**	**10000 J-**	**6500 J-**	**5400 J-**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**4900 J-**	**2900 J-**	**3200 J-**	**5100 J-**	**1700 J-**	**7300 J-**	**9000 J-**	**5800 J-**	**4800 J-**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**9200 J-**	**5300 J-**	**5500 J-**	**10000 J-**	**3300 J-**	**13000 J-**	**16000 J-**	**11000 J-**	**8600 J-**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**600 J-**	**440 J-**	**860 J-**	**1500 J-**	**280 J-**	**1900 J-**	**2600 J-**	**1700 J-**	**1400 J-**
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**20000 J-**	**12000 J-**	**14000 J-**	**21000 J-**	**7500 J-**	**26000 J-**	**32000 J-**	**26000 J-**	**18000 J-**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**460 J-**	**250 J-**	**390 J-**	**490 J-**	**140 J-**	**370 J-**	**600 J-**	**520 J-**	**310 J-**
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**6200 J-**	**3700 J-**	**3900 J-**	**6600 J-**	**2300 J-**	**8300 J-**	**12000 J-**	**7500 J-**	**6300 J-**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	**35.0 J-**	**14.0 J-**	**46.0 J-**	**38.0 J-**	**9.30 J-**	**40.0 J-**	**65.0 J-**	**33.0 J-**	**26.0 J-**
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**13000 J-**	**7100 J-**	**7400 J-**	**13000 J-**	**3400 J-**	**13000 J-**	**14000 J-**	**14000 J-**	**7600 J-**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**16000 J-**	**9300 J-**	**9900 J-**	**18000 J-**	**5600 J-**	**20000 J-**	**26000 J-**	**19000 J-**	**14000 J-**

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU04			DU05			DU06		
		SAMPLE ID	DOW-DU04-A (FR)	DOW-DU04-B (FR)	DOW-DU04-C (FR)	DOW-DU05-A (FR)	DOW-DU05-B (FR)	DOW-DU05-C (FR)	DOW-DU06-A (FR)	DOW-DU06-B (FR)	DOW-DU06-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	25-Jul-23	25-Jul-23	25-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	340 U	370 U	340 U	420 U	440 U	370 U	380 U	350 U	340 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,1-Dichloropropene	Solid			220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	340 U	370 U	340 U	420 U	440 U	370 U	380 U	350 U	340 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,2-Dichloroethene	Solid			430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	340 U	370 U	340 U	420 U	440 U	370 U	380 U	350 U	340 U
1,3,5-Trichlorobenzene	Solid			220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
2,2-Dichloropropane	Solid			220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	1100 U	1200 U	1100 U	1300 U	1400 U	1200 U	1200 U	1100 U	1100 U
2-Chloroethyl vinyl ether	Solid			1100 UJ	1200 UJ	1100 UJ	1300 U	1400 U	1200 U	1200 UJ	1100 UJ	1100 UJ
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	1100 U	1200 U	1100 U	1300 U	1400 U	1200 U	1200 U	1100 U	1100 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
4-Methyl-2-pentanone	Solid	2022 May EPA Res Soil	33000000	1100 U	1200 U	1100 U	1300 U	1400 U	1200 U	1200 U	1100 U	1100 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	1100 U	1200 U	1100 U	1300 U	1400 U	1200 U	1200 U	1100 U	1100 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	430 UJ	460 UJ	430 UJ	520 U	560 U	470 U	470 UJ	440 UJ	430 UJ
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
cis-1,3-Dichloropropene	Solid			220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	260 U	280 U	260 U	310 U	330 U	280 U	280 U	260 U	260 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU04			DU05			DU06		
		SAMPLE ID	DOW-DU04-A (FR)	DOW-DU04-B (FR)	DOW-DU04-C (FR)	DOW-DU05-A (FR)	DOW-DU05-B (FR)	DOW-DU05-C (FR)	DOW-DU06-A (FR)	DOW-DU06-B (FR)	DOW-DU06-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	25-Jul-23	25-Jul-23	25-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23	27-Jul-23	27-Jul-23	27-Jul-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	**800 J**	**750 J**	**600 J**	**720 J**	**920 J**	**2100**	**1500**	**940**	**1000**
Methyl tert-butyl ether	Solid	2022 May EPA Res Soil	47000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Methylcyclohexane	Solid			220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	1700 U	1800 U	1700 U	2100 U	2200 U	1900 U	1900 U	1800 U	1700 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	260 U	280 U	260 U	310 U	330 U	280 U	280 U	260 U	260 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	2200 U	2300 U	2100 U	2600 U	2800 U	2300 U	2300 U	2200 U	2200 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	2200 U	2300 U	2100 U	2600 U	2800 U	2300 U	2300 U	2200 U	2200 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	260 U	280 U	260 U	310 U	330 U	280 U	280 U	260 U	260 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
trans-1,3-Dichloropropene	Solid			220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	220 U	230 U	210 U	260 U	280 U	230 U	230 U	220 U	220 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	430 U	460 U	430 U	520 U	560 U	470 U	470 U	440 U	430 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	640 U	700 U	640 U	780 U	830 U	700 U	700 U	660 U	650 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value
U - Undetected: The analyte was analyzed for, but not detected.
UJ - The analyte was not detected; however, the result is estimated due to discrepancies in
NA - Not analyzed for this parameter
+ / - - result is likely to have a positive or negative bias.
FT/R - Field Triplicate/ Replicate
MG/KG - Milligrams per Kilogram
UG/KG - Micrograms per Kilogram

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			DECISION UNIT	DU07-SU01			DU07-SU02			DU07-SU03		
			SAMPLE ID	DOW-DU07-SU01-A (FT)	DOW-DU07-SU01-B (FT)	DOW-DU07-SU01-C (FT)	DOW-DU07-SU02-A (FT)	DOW-DU07-SU02-B (FT)	DOW-DU07-SU02-C (FT)	DOW-DU07-SU03-A (FR)	DOW-DU07-SU03-B (FR)	DOW-DU07-SU03-C (FR)
			SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
			SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
			SAMPLE DATE	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	28-Aug-23	28-Aug-23	28-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.190 J**	**0.210 J**	**0.200 J**	NA	NA	NA	**0.310 J**	**0.360 J**	**0.360 J**
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**27800**	NA	NA	NA	NA	NA	**18200**	NA	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0580 J-**	**0.0580 J-**	**0.0560 J-**	**0.0540 J-**	**0.0550 J-**	**0.0620 J-**	**0.0440 J**	**0.0600**	**0.0350 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**16200**	**15500**	**14800**	**16900**	**17900**	**18600**	**12100**	**12500**	**12000**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.0920 J-**	**0.0900 J**	**0.0910 J**	**0.0790 J**	**0.0890 J**	**0.100**	**0.0740 J**	**0.0800 J**	**0.0880**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**7.79**	**6.91**	**6.81**	**6.72**	**7.17**	**7.39**	**5.50**	**4.14**	**4.07**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**43.5**	**40.9**	**42.1**	**43.8**	**50.4**	**49.9**	**30.5**	**33.4**	**31.4**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.380**	**0.377**	**0.388**	**0.425**	**0.474**	**0.486**	**0.271**	**0.305**	**0.262**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0994**	**0.0939**	**0.0820 J**	**0.163**	**0.155**	**0.132**	**0.0710 J**	**0.101**	**0.0868**
Calcium	Solid			**1010**	**847**	**1060**	**1190**	**1430**	**1480**	**648**	**835**	**605**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**27.5**	**25.7**	**23.8**	**28.0**	**29.3**	**27.6**	**21.9**	**20.5**	**21.7**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**5.86**	**5.72**	**5.48**	**5.83**	**6.80**	**6.82**	**3.78**	**3.69**	**3.51**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**13.0**	**13.4**	**12.6**	**11.5**	**11.4**	**12.2**	**8.81**	**8.14**	**8.14**
Iron	Solid	2022 May EPA Res Soil	55000	**21000**	**21000**	**20000**	**22800**	**22900**	**25900**	**14100**	**14100**	**13700**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**15.0**	**15.0**	**14.4**	**17.1**	**19.7**	**15.1**	**10.6**	**12.3**	**12.1**
Magnesium	Solid			**3360**	**3040**	**3100**	**3270**	**3570**	**3770**	**2290**	**2230**	**2170**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**184**	**194**	**184**	**182**	**232**	**209**	**103**	**102**	**83.9**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**21.8**	**19.6**	**19.3**	**19.6**	**21.6**	**22.3**	**15.6**	**12.6**	**12.1**
Potassium	Solid			**1080**	**1040**	**1090**	**1160**	**1340**	**1300**	**862**	**915**	**1010**
Selenium	Solid	2018 EPA Region IV Eco SLs	.52	**0.290 J**	**0.340 J**	**0.310 J**	**0.340 J**	**0.330 J**	**0.400 J**	**0.200 J**	**0.250 J**	**0.240 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0540 J**	**0.0530 J**	**0.0500 J**	**0.0570 J**	**0.0630 J**	**0.0690 J**	**0.0440 J**	**0.0580 J**	**0.0540 J**
Sodium	Solid			**70.0 J**	**60.0 J**	**69.0 J**	**74.0 J**	**91.0 J**	**94.0 J**	**56.0 J**	**57.0 J**	**54.0 J**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0980**	**0.120**	**0.120**	**0.120**	**0.120**	**0.130**	**0.0970**	**0.0990**	**0.100**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**31.5**	**32.0**	**33.5**	**34.9**	**34.5**	**37.3**	**23.5**	**23.8**	**26.4**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**40.2 J-**	**38.8**	**38.5**	**46.0**	**47.0**	**49.2**	**24.9**	**27.4**	**23.9**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	57.0 U	11.0 U	11.0 U	11.0 UJ	11.0 UJ	11.0 U	12.0 U	13.0 U	12.0 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	57.0 U	11.0 U	11.0 U	11.0 UJ	11.0 UJ	11.0 U	12.0 U	13.0 U	12.0 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	67.0 U	13.0 U	12.0 U	13.0 UJ	13.0 UJ	13.0 U	14.0 U	15.0 U	14.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	57.0 U	11.0 U	11.0 U	11.0 UJ	11.0 UJ	11.0 U	12.0 U	13.0 U	12.0 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	57.0 U	11.0 U	11.0 U	11.0 UJ	11.0 UJ	11.0 U	12.0 U	13.0 U	12.0 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	57.0 U	11.0 U	11.0 U	11.0 UJ	11.0 UJ	11.0 U	12.0 U	13.0 U	12.0 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	57.0 U	11.0 U	11.0 U	11.0 UJ	11.0 UJ	11.0 U	12.0 U	13.0 U	12.0 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	**13.0 J**	**13.0 J**	**8.90 J**	13.0 U	13.0 U	13.0 U	13.0 U	15.0 U	13.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**120**	**75.0**	**27.0**	**6.60 J**	13.0 U	13.0 U	13.0 U	15.0 U	13.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**120**	**150**	**76.0**	**21.0 J**	**20.0 J**	**17.0 J**	13.0 U	15.0 U	13.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**450**	**340**	**120**	**25.0 J**	**26.0**	**21.0 J**	13.0 U	15.0 UJ	13.0 UJ
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**1800**	**420**	**640**	**140**	**180**	**120**	**42.0**	**31.0 J-**	**37.0 J-**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**1700**	**1100**	**560**	**150**	**170**	**140**	**49.0**	**34.0 J-**	**42.0 J-**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**2600**	**1900**	**980**	**310**	**370**	**300**	**96.0**	**73.0 J-**	**82.0 J-**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**940 J**	**510**	**270**	**78.0**	**90.0**	**74.0**	**32.0**	**22.0 J-**	**24.0 J-**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**990 J**	**700**	**440**	**110**	**140**	**100**	**34.0**	**23.0 J-**	**26.0 J-**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**2100**	**410**	**720**	**220**	**220**	**190**	**63.0**	**46.0 J-**	**50.0 J-**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**180**	**150**	**76.0**	**21.0 J**	**29.0**	**20.0 J**	13.0 U	15.0 UJ	13.0 UJ
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**4500**	**3800**	**1600**	**450**	**520**	**390**	**140**	**100 J-**	**120 J-**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**260**	**230**	**98.0**	**17.0 J**	**16.0 J**	**14.0 J**	13.0 U	15.0 U	13.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**1000 J**	**600**	**320**	**92.0**	**110**	**87.0**	**35.0**	**25.0 J-**	**28.0 J-**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	**19.0 J**	**6.60 J**	**7.40 J**	13.0 U	13.0 U	13.0 U	13.0 U	15.0 U	13.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**2800**	**2800**	**1100**	**220**	**220**	**190**	**57.0**	**49.0 J-**	**58.0 J-**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**4100**	**3000**	**1400**	**390**	**440**	**330**	**120**	**93.0 J-**	**97.0 J-**

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT		DU07-SU01			DU07-SU02			DU07-SU03		
		SAMPLE ID		DOW-DU07-SU01-A (FT)	DOW-DU07-SU01-B (FT)	DOW-DU07-SU01-C (FT)	DOW-DU07-SU02-A (FT)	DOW-DU07-SU02-B (FT)	DOW-DU07-SU02-C (FT)	DOW-DU07-SU03-A (FR)	DOW-DU07-SU03-B (FR)	DOW-DU07-SU03-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)		0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)		1	1	1	1	1	1	1	1	1
		SAMPLE DATE		03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	28-Aug-23	28-Aug-23	28-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	490 U	440 U	420 U	560 U	480 U	2200 U	550 U	640 U	530 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,1-Dichloropropene	Solid			300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	490 U	440 U	420 U	560 U	480 U	2200 U	550 U	640 U	530 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,2-Dichloroethene	Solid			610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	490 U	440 U	420 U	560 U	480 U	2200 U	550 U	640 U	530 U
1,3,5-Trichlorobenzene	Solid			300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
2,2-Dichloropropane	Solid			300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	1500 U	1400 U	1300 U	1800 U	1500 U	6900 U	1700 U	2000 U	1600 U
2-Chloroethyl vinyl ether	Solid			1500 U	1400 U	1300 U	1800 U	1500 U	6900 U	1700 U	2000 U	1600 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	1500 U	1400 U	1300 U	1800 U	1500 U	6900 U	1700 U	2000 U	1600 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
4-Methyl-2-pentanone	Solid	2022 May EPA Res Soil	33000000	1500 U	1400 U	1300 U	1800 U	1500 U	6900 U	1700 U	2000 U	1600 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	1500 U	1400 U	1300 U	1800 U	1500 U	6900 U	1700 U	2000 U	1600 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
cis-1,3-Dichloropropene	Solid			300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	360 U	330 U	320 U	420 U	360 U	1600 U	420 U	480 U	390 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU07-SU01			DU07-SU02			DU07-SU03		
		SAMPLE ID	DOW-DU07-SU01-A (FT)	DOW-DU07-SU01-B (FT)	DOW-DU07-SU01-C (FT)	DOW-DU07-SU02-A (FT)	DOW-DU07-SU02-B (FT)	DOW-DU07-SU02-C (FT)	DOW-DU07-SU03-A (FR)	DOW-DU07-SU03-B (FR)	DOW-DU07-SU03-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	03-Aug-23	28-Aug-23	28-Aug-23	28-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	**560 J**	**390 J**	**570 J**	**740 J**	**390 J**	2800 U	**1300 J**	**1500 J**	**870 J**
Methyl tert-butyl ether	Solid	2022 May EPA Res Soil	47000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Methylcyclohexane	Solid			300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	2400 U	2200 U	2100 U	2800 U	2400 U	11000 U	2800 U	3200 U	2600 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	360 U	330 U	320 U	420 U	360 U	1600 U	420 U	480 U	390 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	300 U	280 U	260 U	**410 J**	300 U	1400 U	350 U	400 U	330 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	3000 U	2800 U	2600 U	3500 U	3000 U	14000 U	3500 U	4000 U	3300 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	3000 U	2800 U	2600 U	3500 U	3000 U	14000 U	3500 U	4000 U	3300 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	360 U	330 U	320 U	420 U	360 U	1600 U	420 U	480 U	390 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
trans-1,3-Dichloropropene	Solid			300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	300 U	280 U	260 U	350 U	300 U	1400 U	350 U	400 U	330 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	610 U	550 U	530 U	700 U	610 U	2800 U	690 U	800 U	660 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	910 U	830 U	790 U	1000 U	910 U	4100 U	1000 U	1200 U	990 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value
U - Undetected: The analyte was analyzed for, but not detected.
UJ - The analyte was not detected; however, the result is estimated due to discrepancies in
NA - Not analyzed for this parameter
+ / - - result is likely to have a positive or negative bias.
FT/R - Field Triplicate/ Replicate
MG/KG - Milligrams per Kilogram
UG/KG - Micrograms per Kilogram

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			DECISION UNIT	DU07-SU04			DU07-SU05			DU07-SU06		
			SAMPLE ID	DOW-DU07-SU04-A (FR)	DOW-DU07-SU04-B (FR)	DOW-DU07-SU04-C (FR)	DOW-DU07-SU05-A (FR)	DOW-DU07-SU05-B (FR)	DOW-DU07-SU05-C (FR)	DOW-DU07-SU06-A (FR)	DOW-DU07-SU06-B (FR)	DOW-DU07-SU06-C (FR)
			SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
			SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
			SAMPLE DATE	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	NA	NA	NA	**0.240 J**	**0.230 J**	**0.200 J**	NA	NA	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			NA	NA	NA	**21700**	NA	NA	NA	NA	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0420 J**	**0.0550 J**	**0.0560 J**	**0.0360 J**	**0.0420 J**	**0.0330 J**	**0.0760 J**	**0.0610 J**	**0.0560 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**14300**	**13500**	**11100**	**14600**	**15000**	**14300**	**14800**	**15800**	**12700**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.0820**	**0.0860**	**0.0630 J**	**0.0730 J**	**0.0830**	**0.0700 J**	**0.0880 J**	**0.0980 J**	**0.0790 J**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**15.0**	**3.99**	**3.38**	**5.66**	**5.58**	**7.18**	**3.00**	**3.21**	**2.60**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**32.9**	**31.8**	**24.1**	**41.0**	**43.4**	**37.8**	**41.6**	**43.5**	**33.4**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.259**	**0.233**	**0.208**	**0.350**	**0.368**	**0.325**	**0.328**	**0.366**	**0.283**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0560 J**	**0.0650 J**	**0.0530 J**	**0.0450 J**	**0.0380 J**	**0.0440 J**	**0.115**	**0.100**	**0.100**
Calcium	Solid			**399**	**444**	**310**	**1030**	**944**	**769**	**983**	**958**	**857**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**31.2**	**24.4**	**17.7**	**26.2**	**25.9**	**28.7**	**22.6**	**22.8**	**19.1**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**3.52**	**3.46**	**2.56**	**5.42**	**5.49**	**5.34**	**3.62**	**3.89**	**2.84**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**7.61**	**7.22**	**5.61**	**8.78**	**9.24**	**8.80**	**16.0**	**17.2**	**13.9**
Iron	Solid	2022 May EPA Res Soil	55000	**16500**	**16400**	**12200**	**17300**	**17900**	**18400**	**10700**	**11100**	**8880**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**11.2**	**12.0**	**10.1**	**11.9**	**12.2**	**12.6**	**12.8**	**17.7**	**14.7**
Magnesium	Solid			**2430**	**2390**	**1750**	**3350**	**3320**	**3410**	**2290**	**2440**	**1860**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**78.0**	**75.1**	**52.4**	**121**	**116**	**118**	**62.7**	**66.4**	**49.9**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**15.4**	**13.8**	**9.50**	**19.9**	**17.9**	**18.4**	**16.6**	**15.4**	**11.6**
Potassium	Solid			**871**	**770**	**586**	**1210**	**1250**	**1080**	**1040**	**1030**	**814**
Selenium	Solid	2018 EPA Region IV Eco SLs	.52	**0.280 J**	**0.260 J**	**0.180 J**	**0.170 J**	**0.190 J**	**0.160 J**	**0.350 J**	**0.400 J**	**0.320 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0370 J**	**0.0540 J**	**0.0400 J**	**0.0290 J**	**0.0400 J**	**0.0360 J**	**0.0800 J**	**0.0780 J**	**0.0910 J**
Sodium	Solid			**44.0 J**	**41.0 J**	**34.0 J**	**58.0 J**	**58.0 J**	**53.0 J**	**43.0 J**	**42.0 J**	**30.0 J**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.100**	**0.0970**	**0.0870**	**0.110**	**0.130**	**0.120**	**0.120**	**0.110**	**0.0970 J**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**29.7**	**27.8**	**23.9**	**27.4**	**29.0**	**27.6**	**23.2**	**23.8**	**20.6**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**24.8**	**24.7**	**17.4**	**31.6**	**30.9**	**30.4**	**24.0**	**24.3**	**20.3**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	13.0 U	13.0 U	13.0 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	13.0 U	13.0 U	13.0 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	13.0 U	14.0 U	14.0 U	13.0 U	13.0 U	13.0 U	15.0 U	15.0 U	16.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	13.0 U	13.0 U	13.0 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	13.0 U	13.0 U	13.0 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	13.0 U	13.0 U	13.0 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	13.0 U	13.0 U	**39.0 J+**
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	13.0 U	14.0 U	14.0 U	13.0 U	13.0 U	13.0 U	14.0 U	14.0 U	15.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	13.0 U	14.0 U	14.0 U	13.0 U	13.0 U	13.0 U	14.0 U	14.0 U	15.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	13.0 U	14.0 U	14.0 U	13.0 U	13.0 U	13.0 U	14.0 U	14.0 U	15.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	13.0 UJ	14.0 U	14.0 UJ	13.0 U	13.0 U	13.0 U	14.0 UJ	14.0 UJ	15.0 UJ
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**18.0 J-**	**40.0**	**18.0 J-**	**36.0**	**33.0**	**27.0**	**8.80 J-**	**12.0 J-**	**18.0 J-**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**22.0 J-**	**53.0**	**24.0 J-**	**43.0**	**36.0**	**33.0**	**10.0 J-**	**15.0 J-**	**22.0 J-**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**41.0 J-**	**92.0**	**45.0 J-**	**69.0**	**61.0**	**56.0**	**19.0 J-**	**30.0 J-**	**47.0 J-**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**16.0 J-**	**42.0**	**17.0 J-**	**31.0**	**24.0 J**	**23.0 J**	14.0 UJ	**10.0 J-**	**14.0 J-**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**14.0 J-**	**30.0**	**15.0 J-**	**27.0**	**21.0 J**	**20.0 J**	14.0 UJ	**9.60 J-**	**15.0 J-**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**26.0 J-**	**58.0**	**28.0 J-**	**47.0**	**38.0**	**34.0**	**12.0 J-**	**19.0 J-**	**28.0 J-**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	13.0 UJ	**7.00 J**	14.0 UJ	13.0 U	13.0 U	13.0 U	14.0 UJ	14.0 UJ	15.0 UJ
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**57.0 J-**	**130**	**62.0 J-**	**99.0**	**92.0**	**88.0**	**32.0 J-**	**45.0 J-**	**68.0 J-**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	13.0 U	14.0 U	14.0 U	13.0 U	13.0 U	13.0 U	14.0 U	14.0 U	15.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**16.0 J-**	**45.0**	**19.0 J-**	**33.0**	**25.0 J**	**26.0**	**7.70 J-**	**11.0 J-**	**17.0 J-**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	13.0 U	14.0 U	14.0 U	13.0 U	13.0 U	13.0 U	14.0 U	14.0 U	15.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**28.0 J-**	**66.0**	**32.0 J-**	**51.0**	**48.0**	**47.0**	**15.0 J-**	**21.0 J-**	**31.0 J-**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**54.0 J-**	**140**	**61.0 J-**	**110**	**86.0**	**79.0**	**20.0 J-**	**31.0 J-**	**44.0 J-**

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			DECISION UNIT	DU07-SU04			DU07-SU05			DU07-SU06		
			SAMPLE ID	DOW-DU07-SU04-A (FR)	DOW-DU07-SU04-B (FR)	DOW-DU07-SU04-C (FR)	DOW-DU07-SU05-A (FR)	DOW-DU07-SU05-B (FR)	DOW-DU07-SU05-C (FR)	DOW-DU07-SU06-A (FR)	DOW-DU07-SU06-B (FR)	DOW-DU07-SU06-C (FR)
			SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
			SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
			SAMPLE DATE	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	520 U	610 U	620 U	500 U	460 U	500 U	690 U	630 U	650 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,1-Dichloropropene	Solid			320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	520 U	610 U	620 U	500 U	460 U	500 U	690 U	630 U	650 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,2-Dichloroethene	Solid			650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	520 U	610 U	620 U	500 U	460 U	500 U	690 U	630 U	650 U
1,3,5-Trichlorobenzene	Solid			320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
2,2-Dichloropropane	Solid			320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	1600 U	1900 U	1900 U	1600 U	1400 U	1600 U	2100 U	2000 U	2000 U
2-Chloroethyl vinyl ether	Solid			1600 U	1900 U	1900 U	1600 U	1400 U	1600 U	2100 U	2000 U	2000 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	1600 U	1900 U	1900 U	1600 U	1400 U	1600 U	2100 U	2000 U	2000 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
4-Methyl-2-pentanone	Solid	2022 May EPA Res Soil	33000000	1600 U	1900 U	1900 U	1600 U	1400 U	1600 U	2100 U	2000 U	2000 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	**1100 J**	**1000 J**	1900 U	1600 U	1400 U	1600 U	2100 U	2000 U	2000 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
cis-1,3-Dichloropropene	Solid			320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	390 U	460 U	460 U	380 U	340 U	370 U	520 U	470 U	490 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT		DU07-SU04			DU07-SU05			DU07-SU06		
		SAMPLE ID		DOW-DU07-SU04-A (FR)	DOW-DU07-SU04-B (FR)	DOW-DU07-SU04-C (FR)	DOW-DU07-SU05-A (FR)	DOW-DU07-SU05-B (FR)	DOW-DU07-SU05-C (FR)	DOW-DU07-SU06-A (FR)	DOW-DU07-SU06-B (FR)	DOW-DU07-SU06-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)		0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)		1	1	1	1	1	1	1	1	1
		SAMPLE DATE		29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	29-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	**1500**	**2200**	**2100**	**1700**	**1800**	**2800**	**2700**	**3500**	**3200**
Methyl tert-butyl ether	Solid	2022 May EPA Res Soil	47000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Methylcyclohexane	Solid			320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	2600 U	3100 U	3100 U	2500 U	2300 U	2500 U	3400 U	3200 U	3300 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	390 U	460 U	460 U	380 U	340 U	370 U	520 U	470 U	490 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	320 U	380 U	390 U	310 U	280 U	**180 J**	430 U	400 U	410 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	3200 U	3800 U	3900 U	3100 U	2800 U	3100 U	4300 U	4000 U	4100 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	3200 U	3800 U	3900 U	3100 U	2800 U	3100 U	4300 U	4000 U	4100 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	390 U	460 U	460 U	380 U	340 U	370 U	520 U	470 U	490 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
trans-1,3-Dichloropropene	Solid			320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	320 U	380 U	390 U	310 U	280 U	310 U	430 U	400 U	410 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	650 U	770 U	770 U	630 U	570 U	620 U	860 U	790 U	820 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	970 U	1200 U	1200 U	940 U	860 U	930 U	1300 U	1200 U	1200 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value
U - Undetected: The analyte was analyzed for, but not detected.
UJ - The analyte was not detected; however, the result is estimated due to discrepancies in
NA - Not analyzed for this parameter
+ / - - result is likely to have a positive or negative bias.
FT/R - Field Triplicate/ Replicate
MG/KG - Milligrams per Kilogram
UG/KG - Micrograms per Kilogram

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			DECISION UNIT	DU07-SU07			DU08-SU01	DU08-SU02	DU08-SU03	DU08-SU04			
			SAMPLE ID	DOW-DU07-SU07-A (FR)	DOW-DU07-SU07-B (FR)	DOW-DU07-SU07-C (FR)	DOW-DU08-SU01	DOW-DU08-SU02	DOW-DU08-SU03	DOW-DU08-SU04-A (FR)	DOW-DU08-SU04-B (FR)	DOW-DU08-SU04-C (FR)	
			SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0	
			SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1	
			SAMPLE DATE	30-Aug-23	30-Aug-23	30-Aug-23	09-Oct-23	09-Oct-23	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23	
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	0.270 U	0.270 U	**0.0800 J**	**0.490 J**	**0.450 J**	0.280 U	0.340 U	**0.130 J**	**0.220 J**	
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Total Organic Carbon	Solid			**55400**	NA	NA	NA	**35000 J**	NA	**34800**	NA	NA	
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0380 J**	**0.0770 J**	**0.0550 J**	**0.0540**	**0.0500**	**0.0580**	**0.0540**	**0.0550**	**0.0600**	
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Aluminum	Solid	2022 May EPA Res Soil	77000	**12800**	**12300**	**13800**	**12200**	**11600**	**17200**	**12400**	**13600**	**12900**	
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.0690 J**	**0.0710**	**0.0790 J**	**0.0880**	**0.0750**	**0.100**	**0.0740 J**	**0.0960**	**0.0750 J**	
Arsenic	Solid	2022 May EPA Res Soil	0.68	**2.43**	**8.57**	**2.95**	**3.65**	**8.20**	**15.6**	**6.62**	**2.72**	**1.60**	
Barium	Solid	2018 EPA Region IV Eco SLs	110	**31.4**	**32.4**	**34.7**	**34.0**	**33.0**	**58.4**	**30.4**	**37.7**	**33.6**	
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.225**	**0.215**	**0.259**	**0.298**	**0.293**	**0.509**	**0.273**	**0.301**	**0.256**	
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0470 J**	**0.0540 J**	**0.0720 J**	**0.100**	**0.0792**	**1.98**	**0.0690 J**	**0.129**	**0.0600 J**	
Calcium	Solid			**481**	**535**	**455**	**1000**	**748**	**2440**	**960**	**1320**	**772**	
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**18.9**	**35.6**	**19.3**	**19.7**	**29.6**	**30.6**	**44.6**	**22.8**	**15.7**	
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**3.83**	**3.26**	**3.53**	**4.06**	**3.35**	**10.1**	**3.17**	**3.97**	**3.96**	
Copper	Solid	2018 EPA Region IV Eco SLs	28	**12.9**	**10.7**	**8.58**	**7.79**	**7.63**	**16.6**	**10.7**	**13.7**	**9.46**	
Iron	Solid	2022 May EPA Res Soil	55000	**11900**	**10200**	**11100**	**12400**	**11300**	**20800**	**9810**	**11400**	**12200**	
Lead	Solid	2018 EPA Region IV Eco SLs	11	**9.27**	**18.2**	**10.4**	**11.2**	**15.0**	**14.7**	**20.1**	**16.4**	**11.8**	
Magnesium	Solid			**2520**	**2230**	**2330**	**2350**	**1940**	**3720**	**2020**	**2500**	**2500**	
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**71.2**	**61.2**	**63.6**	**108**	**74.6**	**461**	**57.0**	**78.8**	**73.1**	
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**17.5**	**12.6**	**13.3**	**15.2**	**12.9**	**25.8**	**15.2**	**14.5**	**14.5**	
Potassium	Solid			**898**	**897**	**1000**	**801**	**748**	**1480**	**740**	**994**	**943**	
Selenium	Solid	2018 EPA Region IV Eco SLs	.52	**0.200 J**	**0.210 J**	**0.270 J**	**0.230 J**	**0.220 J**	**0.330 J**	**0.260 J**	**0.280 J**	**0.190 J**	
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0420 J**	**0.0530 J**	**0.0660 J**	**0.0600 J**	**0.0620 J**	**0.0960**	**0.0540 J**	**0.0710 J**	**0.0400 J**	
Sodium	Solid			**25.0 J**	**34.0 J**	**32.0 J**	**68.0 J**	**47.0 J**	**164**	**57.0 J**	**89.0**	**53.0 J**	
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0860 J**	**0.0980**	**0.100**	**0.0980**	**0.100**	**0.120**	**0.0840 J**	**0.100**	**0.0880**	
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**22.4**	**22.1**	**23.1**	**24.0**	**21.2**	**30.4**	**20.4**	**23.5**	**24.6**	
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**22.8**	**22.1**	**20.9**	**34.7**	**20.1**	**77.7**	**19.5**	**24.3**	**22.2**	
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	12.0 U	12.0 U	11.0 U	12.0 U	62.0 U	13.0 U	13.0 U	12.0 U	
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	12.0 U	12.0 U	11.0 U	12.0 U	62.0 U	13.0 U	13.0 U	12.0 U	
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	14.0 U	14.0 U	14.0 U	13.0 U	14.0 U	73.0 U	15.0 U	15.0 U	14.0 U	
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	12.0 U	12.0 U	11.0 U	12.0 U	62.0 U	13.0 U	13.0 U	12.0 U	
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	12.0 U	12.0 U	11.0 U	12.0 U	62.0 U	13.0 U	13.0 U	12.0 U	
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	12.0 U	12.0 U	11.0 U	12.0 U	62.0 U	13.0 U	13.0 U	12.0 U	
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	12.0 U	12.0 U	11.0 U	12.0 U	62.0 U	13.0 U	13.0 U	12.0 U	
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	13.0 U	16.0 U	14.0 U	15.0 U	16.0 U	14.0 U	14.0 U	15.0 U	14.0 U	
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	13.0 U	16.0 U	14.0 U	15.0 U	16.0 U	14.0 U	14.0 U	15.0 U	14.0 U	
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	13.0 U	16.0 U	14.0 U	15.0 U	16.0 U	14.0 U	14.0 U	15.0 U	14.0 U	
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	13.0 UJ	16.0 UJ	14.0 UJ	**9.00 J**	**22.0 J**	**10.0 J**	14.0 U	15.0 UJ	14.0 UJ	
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	13.0 UJ	**11.0 J-**	14.0 UJ	**67.0**	**160**	**59.0**	**15.0 J**	**16.0 J-**	**21.0 J-**	
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**7.70 J-**	**15.0 J-**	14.0 UJ	**60.0**	**130**	**67.0**	**17.0 J**	**20.0 J-**	**25.0 J-**	
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**15.0 J-**	**31.0 J-**	**9.80 J-**	**120**	**260**	**130**	**40.0**	**42.0 J-**	**47.0 J-**	
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	13.0 UJ	**9.50 J-**	14.0 UJ	**48.0**	**91.0**	**36.0**	**11.0 J**	**12.0 J-**	**14.0 J-**	
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	13.0 UJ	**11.0 J-**	14.0 UJ	**48.0**	**88.0**	**41.0**	**14.0 J**	**14.0 J-**	**17.0 J-**	
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**9.30 J-**	**17.0 J-**	14.0 UJ	**76.0**	**170**	**84.0**	**23.0 J**	**24.0 J-**	**29.0 J-**	
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	13.0 UJ	16.0 UJ	14.0 UJ	**7.90 J**	**17.0 J**	**9.00 J**	14.0 U	15.0 UJ	14.0 UJ	
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**21.0 J-**	**45.0 J-**	**15.0 J-**	**170**	**430**	**200**	**53.0**	**58.0 J-**	**72.0 J-**	
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	13.0 U	16.0 U	14.0 U	15.0 U	**17.0 J**	14.0 U	14.0 U	15.0 U	14.0 U	
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	13.0 UJ	**11.0 J-**	14.0 UJ	**67.0**	**130**	**47.0**	**15.0 J**	**16.0 J-**	**18.0 J-**	
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	13.0 U	16.0 U	14.0 U	15.0 U	16.0 U	14.0 U	14.0 U	15.0 U	14.0 U	
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**10.0 J-**	**20.0 J-**	14.0 UJ	**86.0**	**290**	**110**	**24.0 J**	**26.0 J-**	**35.0 J-**	
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**14.0 J-**	**27.0 J-**	**10.0 J-**	**120**	**390**	**130**	**35.0**	**39.0 J-**	**48.0 J-**	

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU07-SU07			DU08-SU01	DU08-SU02	DU08-SU03	DU08-SU04		
		SAMPLE ID	DOW-DU07-SU07-A (FR)	DOW-DU07-SU07-B (FR)	DOW-DU07-SU07-C (FR)	DOW-DU08-SU01	DOW-DU08-SU02	DOW-DU08-SU03	DOW-DU08-SU04-A (FR)	DOW-DU08-SU04-B (FR)	DOW-DU08-SU04-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	30-Aug-23	30-Aug-23	30-Aug-23	09-Oct-23	09-Oct-23	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	620 U	580 U	600 U	530 U	660 U	570 U	830 U	670 U	1400 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,1-Dichloropropene	Solid			390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	620 U	580 U	600 U	530 U	660 U	570 U	830 U	670 U	1400 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,2-Dichloroethene	Solid			780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	620 U	580 U	600 U	530 U	660 U	570 U	830 U	670 U	1400 U
1,3,5-Trichlorobenzene	Solid			390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
2,2-Dichloropropane	Solid			390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	2000 U	1800 U	1900 U	1700 U	2000 U	1800 U	2600 U	2100 U	4400 U
2-Chloroethyl vinyl ether	Solid			2000 U	1800 U	1900 U	1700 U	2000 U	1800 U	2600 U	2100 U	4400 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	2000 U	1800 U	1900 U	1700 U	2000 U	1800 U	2600 U	2100 U	4400 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
4-Methyl-2-pentanone	Solid	2022 May EPA Res Soil	33000000	2000 U	1800 U	1900 U	1700 U	2000 U	1800 U	2600 U	2100 U	4400 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	2000 U	1800 U	1900 U	**980 J**	2000 U	1800 U	2600 U	2100 U	4400 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
cis-1,3-Dichloropropene	Solid			390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	470 U	430 U	450 U	400 U	490 U	420 U	620 U	500 U	1100 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

		DECISION UNIT	DU07-SU07			DU08-SU01	DU08-SU02	DU08-SU03	DU08-SU04		
		SAMPLE ID	DOW-DU07-SU07-A (FR)	DOW-DU07-SU07-B (FR)	DOW-DU07-SU07-C (FR)	DOW-DU08-SU01	DOW-DU08-SU02	DOW-DU08-SU03	DOW-DU08-SU04-A (FR)	DOW-DU08-SU04-B (FR)	DOW-DU08-SU04-C (FR)
		SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0
		SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1
		SAMPLE DATE	30-Aug-23	30-Aug-23	30-Aug-23	09-Oct-23	09-Oct-23	31-Aug-23	31-Aug-23	31-Aug-23	31-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	**2800**	**2300**	**2700**	**670 J**	820 U	**570 J**	**2400**	**2100**	**1900 J**
Methyl tert-butyl ether	Solid	2022 May EPA Res Soil	47000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Methylcyclohexane	Solid			390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	3100 U	2900 U	3000 U	**2900 J**	3300 U	2800 U	4200 U	3400 U	7100 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	470 U	430 U	450 U	400 U	490 U	420 U	620 U	500 U	1100 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	3900 U	3600 U	3800 U	3300 U	4100 U	3500 U	5200 U	4200 U	8900 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	3900 U	3600 U	3800 U	3300 U	4100 U	3500 U	5200 U	4200 U	8900 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	470 U	430 U	450 U	400 U	490 U	420 U	620 U	500 U	1100 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
trans-1,3-Dichloropropene	Solid			390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	390 U	360 U	380 U	330 U	410 U	350 U	520 U	420 U	890 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	780 U	720 U	760 U	670 U	820 U	710 U	1000 U	840 U	1800 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	1200 U	1100 U	1100 U	1000 U	1200 U	1100 U	1600 U	1200 U	2700 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value
U - Undetected: The analyte was analyzed for, but not detected.
UJ - The analyte was not detected; however, the result is estimated due to discrepancies in
NA - Not analyzed for this parameter
+ / - - result is likely to have a positive or negative bias.
FT/R - Field Triplicate/ Replicate
MG/KG - Milligrams per Kilogram
UG/KG - Micrograms per Kilogram

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DECISION UNIT	DU08-SU05	DU08-SU06	DU08-SU07	DU09-SU01	DU09-SU02	DU09-SU03	DU09-SU04	DU09-SU05	DU09-SU06	DU09-SU07
				SAMPLE ID	DOW-DU08-SU05	DOW-DU08-SU06	DOW-DU08-SU07	DOW-DU09-SU01	DOW-DU09-SU02	DOW-DU09-SU03	DOW-DU09-SU04	DOW-DU09-SU05	DOW-DU09-SU06	DOW-DU09-SU07
				SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0	0
				SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1	1
				SAMPLE DATE	31-Aug-23	01-Sep-23	01-Sep-23	09-Oct-23	09-Oct-23	10-Oct-23	10-Oct-23	10-Oct-23	10-Oct-23	09-Oct-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**											
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3		**0.230 J**	**0.130 J-**	**0.0900 J**	NA	NA	NA	NA	NA	NA	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**											
Total Organic Carbon	Solid				NA	**49000**	NA	NA	**31700 J**	NA	NA	NA	NA	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**											
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013		**0.0510 J**	**0.0470**	**0.0320 J**	**0.0340**	**0.0370**	**0.0230 J**	**0.0510**	**0.0460**	**0.0360**	**0.0370**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**											
Aluminum	Solid	2022 May EPA Res Soil	77000		**13200**	**14200**	**12300**	**13900**	**18100**	**12200**	**11300**	**11400**	**14100**	**14800**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27		**0.0780**	**0.0990 J**	**0.0770**	**0.0770 J-**	**0.100**	**0.0990**	**0.0760 J**	**0.120**	**0.0960**	**0.0800**
Arsenic	Solid	2022 May EPA Res Soil	0.68		**1.40**	**3.52**	**1.80**	**8.75 J-**	**7.26**	**3.37**	**2.56**	**2.43**	**8.60**	**6.32**
Barium	Solid	2018 EPA Region IV Eco SLs	110		**31.2**	**42.0**	**43.8**	**36.8**	**52.7**	**28.0**	**37.6**	**38.1**	**45.3**	**40.4**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5		**0.256**	**0.330**	**0.306**	**0.352**	**0.563**	**0.214**	**0.280**	**0.288**	**0.364**	**0.363**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36		**0.0803**	**0.0770 J**	**0.0837**	**0.0540 J**	**0.0968**	**0.0660 J**	**0.0650 J**	**0.0850 J**	**0.0610 J**	**0.0580 J**
Calcium	Solid				**666**	**1480**	**2190**	**592**	**866**	**1400**	**1390**	**1560**	**896**	**520**
Chromium	Solid	2018 EPA Region IV Eco SLs	23		**9.89**	**22.8**	**16.0**	**24.6 J-**	**29.5**	**20.6**	**20.4**	**21.3**	**30.4**	**32.1**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13		**2.69**	**4.09**	**4.52**	**5.10**	**8.11**	**2.90**	**4.20**	**3.80**	**7.30**	**5.80**
Copper	Solid	2018 EPA Region IV Eco SLs	28		**9.22**	**13.6**	**9.81**	**8.24**	**9.37**	**4.62**	**7.70**	**7.08**	**8.34**	**8.40**
Iron	Solid	2022 May EPA Res Soil	55000		**9880**	**11700**	**10600**	**17300**	**25800**	**10100**	**10300**	**9200**	**19600**	**18800**
Lead	Solid	2018 EPA Region IV Eco SLs	11		**14.6**	**12.4**	**13.1**	**13.8 J-**	**24.5**	**13.2**	**12.8**	**9.92**	**14.4**	**16.5**
Magnesium	Solid				**1810**	**2540**	**2490**	**2890**	**3860**	**1970**	**2470**	**2180**	**3160**	**3020**
Manganese	Solid	2018 EPA Region IV Eco SLs	220		**51.6**	**79.8**	**102**	**138**	**319**	**53.0**	**84.2**	**60.3**	**292**	**185**
Nickel	Solid	2018 EPA Region IV Eco SLs	38		**11.1**	**15.2**	**15.5**	**20.0**	**22.7**	**11.4**	**15.0**	**13.3**	**17.4**	**19.1**
Potassium	Solid				**775**	**1180**	**1100**	**728**	**1360**	**810**	**1020**	**870**	**1250**	**1080**
Selenium	Solid	2018 EPA Region IV Eco SLs	.52		**0.310 J**	**0.270 J**	**0.160 J**	**0.280 J**	**0.360 J**	**0.210 J**	**0.140 J**	**0.210 J**	**0.230 J**	**0.250 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2		**0.0740**	**0.0530 J**	**0.0520 J**	**0.0570**	**0.120**	**0.0900**	**0.0540 J**	**0.0810 J**	**0.0630 J**	**0.0580 J**
Sodium	Solid				**34.0 J**	**51.0 J**	**86.0**	**61.0**	**69.0 J**	**45.0 J**	**58.0 J**	**62.0 J**	**52.0 J**	**43.0 J**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05		**0.0960**	**0.100**	**0.110**	**0.0910**	**0.150**	**0.120**	**0.110**	**0.110**	**0.130**	**0.110**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8		**24.2**	**24.6**	**20.0**	**25.1**	**36.1**	**21.8**	**17.1**	**17.6**	**33.3**	**30.6**
Zinc	Solid	2018 EPA Region IV Eco SLs	46		**17.7**	**24.6**	**26.2**	**30.1**	**49.1**	**16.4**	**23.8**	**20.5**	**36.9**	**34.8**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**											
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41		15.0 U	13.0 U	13.0 U	NA	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41		15.0 U	13.0 U	13.0 U	NA	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41		18.0 U	15.0 U	15.0 U	NA	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41		15.0 U	13.0 U	13.0 U	NA	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41		15.0 U	13.0 U	13.0 U	NA	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41		15.0 U	13.0 U	13.0 U	NA	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41		15.0 U	13.0 U	13.0 U	NA	NA	NA	NA	NA	NA	NA
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**											
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110		16.0 U	14.0 U	14.0 U	13.0 U	14.0 U	13.0 U	16.0 U	13.0 U	14.0 U	17.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250		16.0 U	14.0 U	14.0 U	13.0 U	14.0 U	13.0 U	16.0 U	13.0 U	14.0 U	17.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340		16.0 U	14.0 U	14.0 U	13.0 U	14.0 U	13.0 U	16.0 U	13.0 U	14.0 U	17.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5		16.0 U	14.0 U	14.0 U	13.0 U	14.0 U	13.0 UJ	16.0 UJ	13.0 UJ	14.0 U	17.0 U
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730		**37.0**	**16.0 J**	**18.0 J**	13.0 U	14.0 U	13.0 UJ	16.0 UJ	13.0 UJ	14.0 U	17.0 U
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110		**44.0**	**20.0 J**	**24.0 J**	13.0 U	14.0 U	13.0 UJ	16.0 UJ	13.0 UJ	14.0 U	17.0 U
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100		**91.0**	**39.0**	**45.0**	**9.50 J**	**11.0 J**	**10.0 J-**	**15.0 J-**	**11.0 J-**	**8.70 J**	**16.0 J**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70		**27.0 J**	**11.0 J**	**13.0 J**	13.0 U	14.0 U	13.0 UJ	16.0 UJ	13.0 UJ	14.0 U	17.0 U
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130		**27.0 J**	**13.0 J**	**15.0 J**	13.0 U	14.0 U	13.0 UJ	16.0 UJ	13.0 UJ	14.0 U	17.0 U
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100		**53.0**	**24.0 J**	**26.0 J**	13.0 U	14.0 U	**6.90 J-**	**9.00 J-**	**7.90 J-**	14.0 U	**9.80 J**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60		16.0 U	14.0 U	14.0 U	13.0 U	14.0 U	13.0 UJ	16.0 UJ	13.0 UJ	14.0 U	17.0 U
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000		**130**	**55.0**	**60.0**	**11.0 J**	**14.0 J**	**13.0 J-**	**20.0 J-**	**15.0 J-**	**11.0 J**	**20.0 J**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700		16.0 U	14.0 U	14.0 U	13.0 U	14.0 U	13.0 U	16.0 U	13.0 U	14.0 U	17.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80		**33.0**	**14.0 J**	**17.0 J**	13.0 U	14.0 U	13.0 UJ	**8.30 J-**	**6.80 J-**	14.0 U	17.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160		16.0 U	14.0 U	14.0 U	13.0 U	14.0 U	13.0 U	16.0 U	13.0 U	14.0 U	17.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500		**60.0**	**27.0 J**	**28.0**	13.0 U	**7.70 J**	**8.00 J-**	**11.0 J-**	**8.80 J-**	14.0 U	**12.0 J**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000		**91.0**	**39.0**	**43.0**	**11.0 J**	**14.0 J**	**12.0 J-**	**16.0 J-**	**14.0 J-**	**11.0 J**	**20.0 J**

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			DECISION UNIT	DU08-SU05	DU08-SU06	DU08-SU07	DU09-SU01	DU09-SU02	DU09-SU03	DU09-SU04	DU09-SU05	DU09-SU06	DU09-SU07
			SAMPLE ID	DOW-DU08-SU05	DOW-DU08-SU06	DOW-DU08-SU07	DOW-DU09-SU01	DOW-DU09-SU02	DOW-DU09-SU03	DOW-DU09-SU04	DOW-DU09-SU05	DOW-DU09-SU06	DOW-DU09-SU07
			SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0	0
			SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1	1
			SAMPLE DATE	31-Aug-23	01-Sep-23	01-Sep-23	09-Oct-23	09-Oct-23	10-Oct-23	10-Oct-23	10-Oct-23	10-Oct-23	09-Oct-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	780 U	1100 U	490 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	Solid			480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	780 U	1100 U	490 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene	Solid			970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	780 U	1100 U	490 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trichlorobenzene	Solid			480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	Solid			480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	2400 U	3400 U	1500 U	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	Solid			2400 U	3400 U	1500 U	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	2400 U	3400 U	1500 U	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	Solid	2022 May EPA Res Soil	33000000	2400 U	3400 U	1500 U	NA	NA	NA	NA	NA	NA	NA
Acetone	Solid	2018 EPA Region IV Eco SLs	40	2400 U	3400 U	1500 U	NA	NA	NA	NA	NA	NA	NA
Benzene	Solid	2018 EPA Region IV Eco SLs	120	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	Solid	2022 May EPA Res Soil	290000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Chloroethane	Solid	2022 May EPA Res Soil	5400000	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Chloromethane	Solid	2022 May EPA Res Soil	110000	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	Solid			480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Cumene	Solid	2018 EPA Region IV Eco SLs	40	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	580 U	810 U	370 U	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	Solid	2022 May EPA Res Soil	24000	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA

Table 7-1
Comparison of Surface Soil ISM Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			DECISION UNIT	DU08-SU05	DU08-SU06	DU08-SU07	DU09-SU01	DU09-SU02	DU09-SU03	DU09-SU04	DU09-SU05	DU09-SU06	DU09-SU07
			SAMPLE ID	DOW-DU08-SU05	DOW-DU08-SU06	DOW-DU08-SU07	DOW-DU09-SU01	DOW-DU09-SU02	DOW-DU09-SU03	DOW-DU09-SU04	DOW-DU09-SU05	DOW-DU09-SU06	DOW-DU09-SU07
			SAMPLE BEGINNIG DEPTH (FEET)	0	0	0	0	0	0	0	0	0	0
			SAMPLE ENDING DEPTH (FEET)	1	1	1	1	1	1	1	1	1	1
			SAMPLE DATE	31-Aug-23	01-Sep-23	01-Sep-23	09-Oct-23	09-Oct-23	10-Oct-23	10-Oct-23	10-Oct-23	10-Oct-23	09-Oct-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	**1800 J**	**2100 J**	**940 J**	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	Solid	2022 May EPA Res Soil	47000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	Solid			480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	3900 U	5400 U	2400 U	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
o-Xylene	Solid	2022 May EPA Res Soil	640000	580 U	810 U	370 U	NA	NA	NA	NA	NA	NA	NA
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	4800 U	6800 U	3100 U	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	4800 U	6800 U	3100 U	NA	NA	NA	NA	NA	NA	NA
Toluene	Solid	2018 EPA Region IV Eco SLs	150	580 U	810 U	370 U	NA	NA	NA	NA	NA	NA	NA
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	Solid			480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	480 U	680 U	310 U	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	970 U	1400 U	610 U	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	1400 U	2000 U	920 U	NA	NA	NA	NA	NA	NA	NA

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value
U - Undetected: The analyte was analyzed for, but not detected.
UJ - The analyte was not detected; however, the result is estimated due to discrepancies in
NA - Not analyzed for this parameter
+ / - - result is likely to have a positive or negative bias.
FT/R - Field Triplicate/ Replicate
MG/KG - Milligrams per Kilogram
UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU01-SS01		DU01-SS02			DU01-SS03		DU01-SS04	
SAMPLE LOCATION				DU01-SS01	DU01-SS01	DU01-SS02	DU01-SS02	DOW-DUP1 (FD)	DU01-SS03	DU01-SS03	DU01-SS04	DU01-SS04
SAMPLE BEGINNING DEPTH (FEET)				1	2	0	1	1	1	2.5	1	5
SAMPLE ENDING DEPTH (FEET)				2	10	10	1.5	0	2.5	10	5	10
SAMPLE DATE				07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.680**	NA	NA	**0.200 J**	**0.350 J**	**0.170 J**	NA	**0.100 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**28100**	NA	NA	**980**	**1400**	**13100 J**	NA	**14500**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0120 J**	**0.00950 J**	**0.0180 J**	0.0190 U	**0.0350**	**0.0140 J**	**0.0160 J**	**0.0170 J**	**0.0150 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**13300**	**19800**	**20800**	**11300**	**10600**	**6490 J**	**19200**	**20200**	**19600**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.716**	**0.200**	**0.220**	**0.311**	**0.170**	**0.130 J-**	**0.240**	**1.67**	**0.249**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**9.74**	**13.9**	**14.2**	**15.2**	**12.7**	**9.32 J+**	**10.6**	**10.3**	**11.6**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**60.8**	**55.5**	**63.7**	**23.8**	**37.0**	**16.4**	**56.1**	**100**	**58.6**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.405**	**0.747**	**0.806**	**0.331**	**0.315**	**0.300**	**0.718**	**0.395**	**0.728**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**1.62**	**0.0470 J**	**0.0370 J**	**0.0789**	**0.636**	**0.0410 J**	**0.0460 J**	**20.0**	**0.117**
Calcium	Solid			**2020**	**3120**	**3030**	**6190**	**1490**	**4280**	**3010**	**3670**	**3000**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**31.6**	**40.5**	**42.4**	**25.0**	**27.2**	**13.1 J+**	**39.2**	**43.9**	**40.6**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**9.30**	**15.0**	**16.4**	**10.8**	**10.8**	**6.50**	**17.2**	**10.2**	**14.6**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**83.7**	**21.5**	**21.3**	**17.4**	**17.7**	**9.90 J+**	**19.2**	**1100**	**23.1**
Iron	Solid	2022 May EPA Res Soil	55000	**23700**	**35700**	**36500**	**26700**	**28200**	**16500 J**	**32500**	**31900**	**32300**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**62.5**	**13.8**	**13.5**	**9.55**	**10.1**	**8.73 J+**	**13.0**	**151**	**12.7**
Magnesium	Solid			**5130**	**7470**	**7690**	**5900**	**6200**	**3170 J**	**6370**	**6780**	**6780**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**758**	**638**	**636**	**814**	**398**	**618 J**	**456**	**518**	**746**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**32.1**	**42.0**	**44.9**	**36.9**	**37.6**	**20.4 J+**	**39.6**	**41.0**	**41.2**
Potassium	Solid			**1330**	**3500**	**3950**	**866**	**874**	**732 J+**	**2910**	**1290**	**3480**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.280 U	0.240 U	0.330 U	0.220 U	0.220 U	0.300 U	0.250 U	0.210 U	0.270 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.411**	**0.0300 J**	**0.0290 J**	**0.0180 J**	**0.0170 J**	**0.0270 J**	**0.0200 J**	**0.481**	**0.0240 J**
Sodium	Solid			**76.0 J**	**221**	**233**	**98.0**	**67.0 J**	**66.0 J**	**160**	**95.0**	**197**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0900 J**	**0.163**	**0.160**	**0.0580 J**	**0.0560 J**	**0.0400 J**	**0.160**	**0.0980**	**0.160**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**19.3**	**39.2**	**41.5**	**14.8**	**15.4**	**9.65**	**39.5**	**19.8**	**39.7**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**127**	**63.6**	**63.0**	**44.3**	**44.7**	**32.7 J+**	**56.1**	**349**	**62.9**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	47.0 U	9.90 UJ	10.0 UJ	8.90 U	8.70 U	47.0 U	10.0 UJ	49.0 U	10.0 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	47.0 U	9.90 UJ	10.0 UJ	8.90 U	8.70 U	47.0 U	10.0 UJ	49.0 U	10.0 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	55.0 U	12.0 UJ	12.0 UJ	10.0 U	10.0 U	55.0 U	12.0 UJ	58.0 U	12.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	47.0 U	9.90 UJ	10.0 UJ	8.90 U	8.70 U	47.0 U	10.0 UJ	49.0 U	10.0 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	47.0 U	9.90 UJ	10.0 UJ	8.90 U	8.70 U	47.0 U	10.0 UJ	49.0 U	10.0 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	47.0 U	9.90 UJ	10.0 UJ	8.90 U	8.70 U	47.0 U	10.0 UJ	49.0 U	10.0 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	47.0 U	9.90 UJ	10.0 UJ	8.90 U	8.70 U	47.0 U	10.0 UJ	49.0 U	10.0 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	**130 J**	12.0 UJ-	12.0 UJ-	10.0 U	**6.10 J**	**320 J**	12.0 UJ-	**1000**	**23.0 J**
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**390 J**	12.0 UJ-	12.0 UJ-	10.0 U	**16.0 J**	**750 J**	12.0 UJ-	**2400 J**	**52.0 J**
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**1900 J**	12.0 UJ-	12.0 UJ-	**8.50 J**	**60.0 J**	**960 J**	12.0 UJ-	**2800 J**	**52.0 J**
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**2400 J+**	12.0 UJ-	12.0 UJ-	**7.30 J+**	**110 J+**	**1800 J+**	12.0 UJ-	**11000 J+**	**210 J+**
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**18000 J+**	**14.0 J-**	**60.0 J-**	**93.0 J+**	**810 J+**	**12000 J+**	**13.0 J-**	**29000 J+**	**930 J+**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**18000 J+**	**12.0 J-**	**44.0 J-**	**91.0 J+**	**760 J+**	**12000 J+**	**13.0 J-**	**24000 J+**	**720 J+**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**31000 J+**	**19.0 J-**	**72.0 J-**	**140 J+**	**1200 J+**	**19000 J+**	**20.0 J-**	**38000 J+**	**1200 J+**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**11000 J+**	**9.40 J-**	**28.0 J-**	**62.0 J+**	**360 J+**	**3500 J+**	**8.80 J-**	**12000 J+**	**290 J+**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**9400 J+**	**8.10 J-**	**26.0 J-**	**56.0 J+**	**380 J+**	**6600 J+**	**8.80 J-**	**14000 J+**	**350 J+**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**19000 J+**	**14.0 J-**	**52.0 J-**	**96.0 J+**	**770 J+**	**10000 J+**	**14.0 J-**	**28000 J+**	**840 J+**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**1900 J+**	12.0 UJ-	**7.80 J-**	**16.0 J+**	**110 J+**	**1200 J+**	12.0 UJ-	**2900 J+**	**96.0 J+**
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**40000 J+**	**32.0 J-**	**130 J-**	**200 J+**	**1700 J+**	**23000 J+**	**29.0 J-**	**80000 J+**	**2400 J+**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**1300 J+**	12.0 UJ-	12.0 UJ-	10.0 U	**66.0 J+**	**1800 J+**	12.0 UJ-	**5800 J+**	**230 J+**
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**14000 J+**	**11.0 J-**	**34.0 J-**	**71.0 J+**	**440 J+**	**4400 J+**	**10.0 J-**	**16000 J+**	**370 J+**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	**140 J**	12.0 UJ-	12.0 UJ-	10.0 U	9.80 U	**170 J**	12.0 UJ-	**560**	**12.0 J**
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**17000 J+**	**17.0 J**	**37.0 J-**	**59.0 J+**	**890 J+**	**14000 J+**	**11.0 J-**	**64000 J+**	**2200 J+**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**30000 J+**	**23.0 J**	**94.0 J-**	**150 J+**	**1300 J+**	**19000 J+**	**23.0 J-**	**54000 J+**	**1800 J+**

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU01-SS01		DU01-SS02			DU01-SS03		DU01-SS04	
			SAMPLE LOCATION	DU01-SS01	DU01-SS01	DU01-SS02	DU01-SS02	DOW-DUP1 (FD)	DU01-SS03	DU01-SS03	DU01-SS04	DU01-SS04
			SAMPLE BEGINNING DEPTH (FEET)	1	2	0	1	1	1	2.5	1	5
			SAMPLE ENDING DEPTH (FEET)	2	10	10	1.5	0	2.5	10	5	10
			SAMPLE DATE	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	3.90 UJ	3.90 U	4.40 U	3.70 U	4.60 U	3.30 U	3.80 U	4.60 U	3.90 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,1-Dichloropropene	Solid			2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	**4.20 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	**20.0 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	**7.10 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	3.90 UJ	3.90 U	4.40 U	3.70 U	4.60 U	3.30 U	3.80 U	4.60 U	3.90 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	**310 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,2-Dichloroethene	Solid			4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	3.90 UJ	3.90 U	4.40 U	3.70 U	4.60 U	3.30 U	3.80 U	4.60 U	3.90 U
1,3,5-Trichlorobenzene	Solid			**4.20 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	**11.0 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	**50.0 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	**140 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
2,2-Dichloropropane	Solid			2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	12.0 UJ	12.0 U	14.0 U	11.0 U	14.0 U	10.0 U	12.0 U	14.0 U	12.0 U
2-Chloroethyl vinyl ether	Solid			12.0 UJ	12.0 U	14.0 U	11.0 U	14.0 U	10.0 U	12.0 U	14.0 U	12.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	12.0 UJ	12.0 U	14.0 U	11.0 U	14.0 U	10.0 U	12.0 U	14.0 U	12.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	12.0 UJ	12.0 U	14.0 U	11.0 U	14.0 U	10.0 U	12.0 U	14.0 U	12.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	**6.50 J-**	12.0 U	14.0 U	11.0 U	14.0 U	10.0 U	12.0 U	14.0 U	**9.50 J**
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
cis-1,3-Dichloropropene	Solid			2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	2.90 UJ	3.00 U	3.30 U	2.70 U	3.50 U	2.40 U	2.80 U	3.40 U	2.90 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU01-SS01		DU01-SS02			DU01-SS03		DU01-SS04	
			SAMPLE LOCATION	DU01-SS01	DU01-SS01	DU01-SS02	DU01-SS02	DOW-DUP1 (FD)	DU01-SS03	DU01-SS03	DU01-SS04	DU01-SS04
			SAMPLE BEGINNING DEPTH (FEET)	1	2	0	1	1	1	2.5	1	5
			SAMPLE ENDING DEPTH (FEET)	2	10	10	1.5	0	2.5	10	5	10
			SAMPLE DATE	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 UJ	4.70 U	5.70 U	4.80 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Methylcyclohexane	Solid			2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	20.0 UJ	20.0 U	22.0 U	18.0 U	23.0 U	16.0 U	19.0 U	23.0 U	19.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	**20.0 J-**	2.40 U	2.80 U	2.30 U	2.90 U	**11.0 J+**	2.40 U	**2.10 J**	**2.30 J**
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	2.90 UJ	3.00 U	3.30 U	2.70 U	3.50 U	2.40 U	2.80 U	3.40 U	2.90 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	**1.90 J-**	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	24.0 UJ	24.0 U	28.0 U	23.0 U	29.0 U	20.0 U	24.0 U	28.0 U	24.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	24.0 UJ	24.0 U	28.0 U	23.0 U	29.0 U	20.0 U	24.0 U	28.0 U	24.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	2.90 UJ	3.00 U	3.30 U	2.70 U	3.50 U	2.40 U	2.80 U	3.40 U	2.90 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
trans-1,3-Dichloropropene	Solid			2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.40 UJ	2.40 U	2.80 U	2.30 U	2.90 U	2.00 U	2.40 U	2.80 U	2.40 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 UJ	4.70 U	5.70 U	4.80 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	4.90 UJ	4.90 U	5.50 U	4.60 U	5.80 U	4.10 U	4.70 U	5.70 U	4.80 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	7.40 UJ	7.40 U	8.30 U	6.90 U	8.70 U	6.10 U	7.10 U	8.60 U	7.20 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU01-SS05		DU01-SS06		DU01-SS07		DU01-SS08	
		SAMPLE LOCATION		DU01-SS05	DU01-SS05	DU01-SS06	DU01-SS06	DU01-SS07	DU01-SS07	DU01-SS08	DU01-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1.5	1	1	0	1	0	1	3
		SAMPLE ENDING DEPTH (FEET)		10	1.5	2.5	10	5	10	3	10
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	NA	**0.180 J**	**0.150 J**	NA	**0.200 J**	NA	**0.290 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Total Organic Carbon	Solid			NA	**7100**	**2200**	NA	**15700**	NA	**4700**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0170 J**	**0.0130 J**	**0.0140 J**	**0.0230 J**	**0.0180 J**	**0.0160 J**	**0.0110 J**	**0.0140 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Aluminum	Solid	2022 May EPA Res Soil	77000	**20700**	**10100**	**10600**	**20000**	**11300**	**21900**	**11800**	**19200**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.170**	**0.219**	**0.314**	**0.200**	**0.738**	**0.220**	**0.207**	**0.190**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**9.84**	**17.9**	**18.4**	**15.8**	**10.9**	**13.3**	**13.5**	**12.8**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**56.9**	**29.3**	**55.3**	**54.1**	**29.6**	**59.5**	**24.3**	**53.2**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.669**	**0.307**	**0.362**	**0.756**	**0.350**	**0.735**	**0.355**	**0.681**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0190 J**	**0.0590 J**	**0.366**	**0.0270 J**	**0.590**	**0.0500 J**	**0.0350 J**	**0.0400 J**
Calcium	Solid			**2960**	**6830**	**1420**	**2740**	**2010**	**2820**	**1890**	**2810**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**44.5**	**22.4**	**23.0**	**40.3**	**30.2**	**44.9**	**26.0**	**38.2**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**9.82**	**12.3**	**11.8**	**14.3**	**10.8**	**16.4**	**10.2**	**16.3**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**16.4**	**15.6**	**20.4**	**20.0**	**30.1**	**24.7**	**17.7**	**19.7**
Iron	Solid	2022 May EPA Res Soil	55000	**30400**	**26800**	**32100**	**34500**	**30000**	**36700**	**27900**	**33300**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**8.49**	**10.5**	**10.1**	**12.8**	**13.9**	**14.8**	**10.4**	**12.5**
Magnesium	Solid			**7230**	**5920**	**5900**	**7210**	**6100**	**8580**	**6610**	**7070**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**305**	**1080**	**1000**	**511**	**604**	**636**	**757**	**659**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**39.5**	**36.0**	**37.9**	**41.7**	**41.3**	**51.2**	**37.6**	**40.6**
Potassium	Solid			**3610**	**815**	**762**	**3460**	**1240**	**3660**	**960**	**3340**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.250 U	0.240 U	0.260 U	0.280 U	0.240 U	0.270 U	0.190 U	0.240 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0490 J**	**0.0220 J**	**0.0260 J**	**0.0240 J**	**0.0410 J**	**0.0320 J**	**0.0220 J**	**0.0280 J**
Sodium	Solid			**220**	**110**	**70.0 J**	**185**	**82.0**	**199**	**82.0**	**202**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.160**	**0.0590 J**	**0.0520 J**	**0.150**	**0.0780 J**	**0.160**	**0.0530 J**	**0.150**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**33.7**	**15.4**	**16.0**	**37.9**	**18.1**	**37.3**	**16.8**	**37.6**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**61.9**	**43.1**	**49.1**	**60.6**	**70.8**	**71.8**	**45.0**	**57.7**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	8.80 UJ	9.20 U	10.0 UJ	46.0 U	9.60 UJ	9.60 U	9.50 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	8.80 UJ	9.20 U	10.0 UJ	46.0 U	9.60 UJ	9.60 U	9.50 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	10.0 UJ	11.0 U	12.0 UJ	54.0 U	11.0 UJ	11.0 U	11.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	8.80 UJ	9.20 U	10.0 UJ	46.0 U	9.60 UJ	9.60 U	9.50 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	8.80 UJ	9.20 U	10.0 UJ	46.0 U	9.60 UJ	9.60 U	9.50 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	8.80 UJ	9.20 U	10.0 UJ	46.0 U	9.60 UJ	9.60 U	9.50 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	8.80 UJ	9.20 U	10.0 UJ	46.0 U	9.60 UJ	9.60 U	9.50 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	12.0 U	11.0 U	**12.0 J**	12.0 U	**750**	12.0 U-		
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	12.0 U	11.0 U	**18.0 J**	12.0 U	**2000 J**	12.0 U-		
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	12.0 U	11.0 U	**48.0 J**	12.0 U	**3100 J**	12.0 U-		
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	12.0 U	11.0 U	**100 J+**	12.0 U	**16000 J+**	12.0 UJ-	**6.30 J-**	**8.00 J**
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**8.40 J+**	**12.0 J+**	**650 J+**	12.0 U	**51000 J+**	**8.00 J-**	**35.0 J-**	**61.0 J-**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**6.60 J+**	**9.90 J+**	**590 J+**	12.0 U	**43000 J+**	**6.70 J-**	**36.0 J-**	**48.0 J-**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**11.0 J+**	**16.0 J+**	**1000 J+**	12.0 U	**71000 J+**	**11.0 J-**	**65.0 J-**	**87.0 J-**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	12.0 U	**6.40 J+**	**340 J+**	12.0 U	**17000 J+**	12.0 UJ-	**30.0 J-**	**33.0 J-**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	12.0 U	**6.50 J+**	**330 J+**	12.0 U	**26000 J+**	12.0 UJ-	**22.0 J-**	**29.0 J-**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**8.20 J+**	**12.0 J+**	**640 J+**	12.0 U	**49000 J+**	**8.60 J-**	**37.0 J-**	**56.0 J-**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	12.0 U	11.0 U	**92.0 J+**	12.0 U	**3800 J+**	12.0 UJ-	**6.80 J-**	**8.50 J-**
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**24.0 J+**	**33.0 J+**	**1500 J+**	12.0 U	**130000 J+**	**21.0 J-**	**86.0 J-**	**130 J-**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	12.0 U	11.0 U	**72.0 J+**	12.0 U	**7100 J+**	12.0 U-		
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	12.0 U	**7.80 J+**	**400 J+**	12.0 U	**23000 J+**	**6.20 J-**	**36.0 J-**	**42.0 J-**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	12.0 U	11.0 U	11.0 U	12.0 U	**440**	12.0 U-		
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**17.0 J+**	**27.0 J+**	**890 J+**	12.0 U	**83000 J+**	**12.0 J-**	**40.0 J-**	**40.0 J-**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**16.0 J+**	**24.0 J+**	**1100 J+**	12.0 U	**96000 J+**	**15.0 J-**	**68.0 J-**	**100 J-**

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU01-SS05		DU01-SS06		DU01-SS07		DU01-SS08	
		SAMPLE LOCATION		DU01-SS05	DU01-SS05	DU01-SS06	DU01-SS06	DU01-SS07	DU01-SS07	DU01-SS08	DU01-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1.5	1	1	0	1	0	1	3
		SAMPLE ENDING DEPTH (FEET)		10	1.5	2.5	10	5	10	3	10
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	3.80 U	3.80 U	3.60 U	4.20 U	6.30 U	3.80 U	4.30 U	3.80 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,1-Dichloropropene	Solid			2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	3.80 U	3.80 U	3.60 U	4.20 U	6.30 U	3.80 U	4.30 U	3.80 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,2-Dichloroethene	Solid			4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	3.80 U	3.80 U	3.60 U	4.20 U	6.30 U	3.80 U	4.30 U	3.80 U
1,3,5-Trichlorobenzene	Solid			2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
2,2-Dichloropropane	Solid			2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	12.0 U	12.0 U	11.0 U	13.0 U	20.0 U	12.0 U	14.0 U	12.0 U
2-Chloroethyl vinyl ether	Solid			12.0 U	12.0 U	11.0 U	13.0 U	20.0 U	12.0 U	14.0 U	12.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	12.0 U	12.0 U	11.0 U	13.0 U	20.0 U	12.0 U	14.0 U	12.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	12.0 U	12.0 U	11.0 U	13.0 U	20.0 U	12.0 U	14.0 U	12.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	12.0 U	**6.40 J**	11.0 U	13.0 U	**17.0 J**	**29.0**	**12.0 J**	12.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
cis-1,3-Dichloropropene	Solid			2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	2.90 U	2.80 U	2.70 U	3.10 U	4.70 U	2.80 U	3.20 U	2.80 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U

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Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU01-SS05		DU01-SS06		DU01-SS07		DU01-SS08	
		SAMPLE LOCATION		DU01-SS05	DU01-SS05	DU01-SS06	DU01-SS06	DU01-SS07	DU01-SS07	DU01-SS08	DU01-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1.5	1	1	0	1	0	1	3
		SAMPLE ENDING DEPTH (FEET)		10	1.5	2.5	10	5	10	3	10
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Methylcyclohexane	Solid			2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	19.0 U	19.0 U	18.0 U	21.0 U	31.0 U	19.0 U	22.0 U	19.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.40 U	2.40 U	2.20 U	2.60 U	**90.0**	2.40 U	2.70 U	2.30 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	2.90 U	2.80 U	2.70 U	3.10 U	4.70 U	2.80 U	3.20 U	2.80 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	24.0 U	24.0 U	22.0 U	26.0 U	39.0 U	24.0 U	27.0 U	23.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	24.0 U	24.0 U	22.0 U	26.0 U	39.0 U	24.0 U	27.0 U	23.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	2.90 U	2.80 U	2.70 U	3.10 U	4.70 U	2.80 U	**2.80 J**	2.80 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
trans-1,3-Dichloropropene	Solid			2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.40 U	2.40 U	2.20 U	2.60 U	3.90 U	2.40 U	2.70 U	2.30 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	4.80 U	4.70 U	4.50 U	5.20 U	7.90 U	4.80 U	5.40 U	4.70 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	7.20 U	7.10 U	6.70 U	7.80 U	12.0 U	7.10 U	8.10 U	7.00 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU02-SS01		DU02-SS02		DU02-SS03		DU02-SS04	
SAMPLE LOCATION				DU02-SS01	DU02-SS01	DU02-SS02	DU02-SS02	DU02-SS03	DU02-SS03	DU02-SS04	DU02-SS04
SAMPLE BEGINNING DEPTH (FEET)				1	3	1	3	1	4	1	3
SAMPLE ENDING DEPTH (FEET)				3	10	3	10	4	10	3	10
SAMPLE DATE				07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.120 J**	NA	**0.180 J**	NA	**0.160 J**	NA	**0.140 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Total Organic Carbon	Solid			**420**	NA	**870**	NA	**1920**	NA	**2600**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0110 J**	**0.0190 J**	**0.0140 J**	0.0210 U	0.0180 U	0.0190 U	0.0160 U	**0.0230 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Aluminum	Solid	2022 May EPA Res Soil	77000	**9970**	**19600**	**10900**	**20100**	**11300**	**19300**	**10200**	**20100**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.288**	**0.200**	**0.200**	**0.150**	**0.162**	**0.140**	**0.304 J-**	**0.180**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**24.1**	**10.8**	**14.3**	**12.1**	**13.1**	**9.39**	**20.9 J-**	**14.1**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**17.5**	**54.4**	**20.6**	**52.5**	**29.0**	**53.6**	**21.4**	**54.7**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.340**	**0.731**	**0.329**	**0.740**	**0.336**	**0.685**	**0.328**	**0.742**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0740 J**	**0.0520 J**	**0.0480 J**	**0.0330 J**	**0.0440 J**	**0.0280 J**	**0.0580 J**	**0.0450 J**
Calcium	Solid			**2130**	**2960**	**2540**	**2820**	**6180**	**2820**	**7900**	**2830**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**29.7**	**40.6**	**24.0**	**43.5**	**31.3**	**41.6**	**28.6**	**42.7**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**10.8**	**15.7**	**11.1**	**12.6**	**12.4**	**11.1**	**12.4**	**13.9**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**17.6**	**20.3**	**19.0**	**22.0**	**19.4**	**19.4**	**21.3**	**21.0**
Iron	Solid	2022 May EPA Res Soil	55000	**27700**	**33100**	**27400**	**35700**	**28400**	**31800**	**30900**	**36900**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**9.60**	**13.2**	**9.87**	**11.4**	**9.81**	**10.8**	**29.3 J-**	**12.2**
Magnesium	Solid			**6290**	**7530**	**6410**	**7840**	**7320**	**6640**	**6470**	**7430**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**537**	**682**	**547**	**348**	**998**	**356**	**755 J**	**508**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**37.3**	**43.4**	**36.4**	**45.8**	**42.5**	**41.9**	**42.2**	**44.5**
Potassium	Solid			**758**	**3620**	**927**	**3610**	**820**	**3030**	**851**	**3560**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.290 U	0.280 U	0.260 U	0.260 U	0.180 U	0.220 U	0.270 U	0.340 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0250 J**	**0.0310 J**	0.0340 U	**0.0240 J**	**0.0240 J**	**0.0300 J**	**0.0210 J**	**0.0240 J**
Sodium	Solid			**79.0 J**	**222**	**99.0**	**248**	**129**	**189**	**100**	**228**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0440 J**	**0.180**	**0.0600 J**	**0.179**	**0.0610**	**0.164**	**0.0700 J**	**0.200**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**14.4**	**37.2**	**14.5**	**40.0**	**16.0**	**36.4**	**16.1**	**42.0**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**44.4**	**62.6**	**46.2**	**65.6**	**47.0**	**59.2**	**48.3 J-**	**63.9**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	9.20 U	10.0 U	9.20 U	9.40 U	8.20 U	9.70 U	8.10 U	9.90 UJ
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	9.20 U	10.0 U	9.20 U	9.40 U	8.20 U	9.70 U	8.10 U	9.90 UJ
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	11.0 U	11.0 U	9.60 U	11.0 U	9.50 U	12.0 UJ
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	9.20 U	10.0 U	9.20 U	9.40 U	8.20 U	9.70 U	8.10 U	9.90 UJ
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	9.20 U	10.0 U	9.20 U	9.40 U	8.20 U	9.70 U	8.10 U	9.90 UJ
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	9.20 U	10.0 U	9.20 U	9.40 U	8.20 U	9.70 U	8.10 U	9.90 UJ
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	9.20 U	10.0 U	9.20 U	9.40 U	8.20 U	9.70 U	8.10 U	9.90 UJ
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	10.0 U	12.0 U	11.0 UJ	12.0 UJ-	10.0 UJ		9.70 UJ-	
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	10.0 U	12.0 U	**6.40 J-**	12.0 UJ-	10.0 UJ		9.70 UJ-	
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**27.0 J**	12.0 U	**62.0 J-**	12.0 UJ-	10.0 UJ		**4.90 J-**	
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**32.0 J+**	12.0 U	**91.0 J**	12.0 UJ-	10.0 UJ	11.0 UJ-	**7.20 J-**	10.0 UJ-
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**280 J+**	12.0 U	**700 J**	12.0 UJ-	10.0 UJ	11.0 UJ-	**130 J-**	10.0 UJ-
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**300 J+**	12.0 U	**600 J**	12.0 UJ-	10.0 U	11.0 UJ-	**130 J-**	10.0 UJ-
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**480 J+**	12.0 U	**1400 J**	12.0 UJ-	10.0 U	11.0 UJ-	**240 J-**	10.0 UJ-
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**180 J+**	12.0 U	**370 J**	12.0 UJ-	10.0 U	11.0 UJ-	**72.0 J-**	10.0 UJ-
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**170 J+**	12.0 U	**410 J**	12.0 UJ-	10.0 UJ	11.0 UJ-	**95.0 J-**	10.0 UJ-
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**320 J+**	12.0 U	**820 J**	12.0 UJ-	10.0 UJ	11.0 UJ-	**160 J-**	10.0 UJ-
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**47.0 J+**	12.0 U	**96.0 J**	12.0 UJ-	10.0 U	11.0 UJ-	**19.0 J-**	10.0 UJ-
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**590 J+**	**6.10 J+**	**2100 J**	12.0 UJ-	**5.40 J-**	11.0 UJ-	**300 J-**	10.0 UJ-
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**11.0 J+**	12.0 U	**24.0 J**	12.0 UJ-	10.0 UJ		9.70 UJ	
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**210 J+**	12.0 U	**440 J**	12.0 UJ-	10.0 U	11.0 UJ-	**96.0 J-**	10.0 UJ-
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	10.0 U	12.0 U	11.0 UJ	12.0 UJ-	10.0 UJ		9.70 UJ-	
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**230 J+**	12.0 U	**880 J**	12.0 UJ-	10.0 UJ	11.0 UJ-	**82.0 J-**	10.0 UJ-
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**460 J+**	12.0 U	**1700 J**	12.0 UJ-	**5.20 J-**	11.0 UJ-	**260 J-**	10.0 UJ-

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU02-SS01		DU02-SS02		DU02-SS03		DU02-SS04	
		SAMPLE LOCATION		DU02-SS01	DU02-SS01	DU02-SS02	DU02-SS02	DU02-SS03	DU02-SS03	DU02-SS04	DU02-SS04
		SAMPLE BEGINNING DEPTH (FEET)		1	3	1	3	1	4	1	3
		SAMPLE ENDING DEPTH (FEET)		3	10	3	10	4	10	3	10
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	4.10 U	3.40 U	3.70 U	3.70 U	3.60 U	4.40 U	4.40 U	3.50 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,1-Dichloropropene	Solid			2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	4.10 U	3.40 U	3.70 U	3.70 U	3.60 U	4.40 U	4.40 U	3.50 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,2-Dichloroethene	Solid			5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	4.10 U	3.40 U	3.70 U	3.70 U	3.60 U	4.40 U	4.40 U	3.50 U
1,3,5-Trichlorobenzene	Solid			2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
2,2-Dichloropropane	Solid			2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	13.0 U	11.0 U	12.0 U	12.0 U	11.0 U	14.0 U	14.0 U	11.0 U
2-Chloroethyl vinyl ether	Solid			13.0 U	11.0 U	12.0 U	12.0 U	11.0 U	14.0 U	14.0 U	11.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	13.0 U	11.0 U	12.0 U	12.0 U	11.0 U	14.0 U	14.0 U	11.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	13.0 U	11.0 U	12.0 U	12.0 U	11.0 U	14.0 U	14.0 U	11.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	13.0 U	**6.00 J**	12.0 U	12.0 U	11.0 U	14.0 U	14.0 U	11.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.50 U	**2.30 J**	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
cis-1,3-Dichloropropene	Solid			2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	3.00 U	2.60 U	2.80 U	2.80 U	2.70 U	3.30 U	3.30 U	2.60 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU02-SS01		DU02-SS02		DU02-SS03		DU02-SS04	
		SAMPLE LOCATION		DU02-SS01	DU02-SS01	DU02-SS02	DU02-SS02	DU02-SS03	DU02-SS03	DU02-SS04	DU02-SS04
		SAMPLE BEGINNING DEPTH (FEET)		1	3	1	3	1	4	1	3
		SAMPLE ENDING DEPTH (FEET)		3	10	3	10	4	10	3	10
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	5.10 U	4.30 U	4.70 U	4.60 UJ	4.50 U			
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Methylcyclohexane	Solid			2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	20.0 U	17.0 U	19.0 U	18.0 U	18.0 U	22.0 U	22.0 U	18.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	3.00 U	2.60 U	2.80 U	2.80 U	2.70 U	3.30 U	3.30 U	2.60 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 UJ	2.20 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	25.0 U	22.0 U	23.0 U	23.0 U	22.0 U	28.0 U	27.0 U	22.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	25.0 U	22.0 U	23.0 U	23.0 U	22.0 U	28.0 U	27.0 U	22.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	**3.20 J**	**14.0**	2.80 U	2.80 U	2.70 U	3.30 U	3.30 U	2.60 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
trans-1,3-Dichloropropene	Solid			2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.50 U	2.20 U	2.30 U	2.30 U	2.20 U	2.80 U	2.70 U	2.20 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 UJ	4.40 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	5.10 U	4.30 U	4.70 U	4.60 U	4.50 U	5.50 U	5.50 U	4.40 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	7.60 U	6.50 U	7.00 U	6.90 U	6.70 U	8.20 U	8.20 U	6.60 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU02-SS05			DU02-SS06		DU02-SS07		DU02-SS08	
SAMPLE LOCATION				DU02-SS05	DU02-SS05	DOW-DUP2 (FD)	DU02-SS06	DU02-SS06	DU02-SS07	DU02-SS07	DU02-SS08	DU02-SS08
SAMPLE BEGINNING DEPTH (FEET)				1	3	3	1	4	1	3	1	3
SAMPLE ENDING DEPTH (FEET)				3	10	10	4	10	3	10	3	10
SAMPLE DATE				07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.170 J**	NA	**0.230 J**	**0.270 J**	NA	**0.200 J**	NA	**0.230 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**3200**	NA	**880**	**750**	NA	**570**	NA	**710**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0140 J**	**0.0140 J**	**0.0140 J**	**0.0160 J**	**0.0160 J**	**0.0110 J**	**0.0140 J**	**0.0180 J**	**0.0170 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**12200**	**20400 J**	**8480 J**	**13400**	**21500**	**10900**	**19400**	**10800**	**20300**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.239**	**0.180**	**0.298**	**0.183**	**0.150**	**0.336**	**0.190**	**0.170**	**0.190**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**15.0**	**31.6 J**	**18.8 J**	**10.8**	**13.6**	**14.6**	**13.7**	**19.5**	**16.6**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**24.0**	**57.5 J**	**24.5 J**	**31.7**	**59.7**	**20.4**	**51.0**	**20.3**	**52.2**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.395**	**0.771 J**	**0.363 J**	**0.420**	**0.794**	**0.321**	**0.767**	**0.356**	**0.753**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0490 J**	**0.0370 J**	**0.0833 J**	**0.0780**	**0.0450 J**	**0.0420 J**	**0.0540 J**	**0.0580 J**	**0.0390 J**
Calcium	Solid			**3260**	**2950 J**	**10200 J**	**6660**	**3030**	**5970**	**2910**	**6860**	**3080**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**33.0**	**43.8 J**	**24.6 J**	**31.7**	**45.8**	**25.6**	**41.0**	**24.8**	**42.4**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**12.2**	**16.7**	**11.3**	**13.7**	**16.7**	**11.8**	**15.4**	**11.1**	**15.3**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**18.7**	**22.3**	**20.0**	**19.4**	**23.3**	**20.2**	**23.0**	**18.5**	**23.5**
Iron	Solid	2022 May EPA Res Soil	55000	**31400**	**37000**	**33900**	**38400**	**37300**	**28400**	**34100**	**27700**	**36300**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**11.0**	**14.5**	**11.6**	**9.68**	**13.5**	**9.28**	**14.5**	**9.69**	**13.8**
Magnesium	Solid			**7330**	**7420**	**4880**	**7470**	**8470**	**6730**	**7250**	**5920**	**7660**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**584**	**533 J**	**1080 J**	**1330**	**818**	**596**	**477**	**653**	**655**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**43.3**	**46.8**	**40.0**	**48.9**	**48.1**	**39.5**	**43.0**	**37.7**	**45.4**
Potassium	Solid			**1190**	**3800 J**	**844 J**	**770**	**3920**	**866**	**3440**	**831**	**3470**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.280 U	0.340 U	0.180 U	0.210 U	0.260 U	0.260 U	0.310 U	0.220 U	0.270 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	0.0380 U	**0.0370 J**	**0.0210 J**	**0.0180 J**	**0.0280 J**	**0.0220 J**	**0.0290 J**	**0.0290 J**	**0.0460 J**
Sodium	Solid			**97.0**	**235 J**	**92.0 J**	**69.0**	**243**	**120**	**227**	**100**	**209**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0740 J**	**0.190 J**	**0.0750 J**	**0.0660 J**	**0.184**	**0.0600 J**	**0.170**	**0.0860**	**0.160**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**17.9**	**42.0 J**	**17.8 J**	**17.9**	**42.9**	**14.7**	**40.9**	**15.5**	**40.6**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**51.8**	**64.8**	**48.3**	**54.2**	**70.6**	**46.3**	**62.6**	**47.7**	**66.4**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	8.60 U	9.80 U	8.60 U	8.50 U	9.60 UJ	8.20 U	8.60 U	8.60 U	9.40 UJ
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	8.60 U	9.80 U	8.60 U	8.50 U	9.60 UJ	8.20 U	8.60 U	8.60 U	9.40 UJ
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	12.0 U	10.0 U	10.0 U	11.0 UJ	9.60 U	10.0 U	10.0 U	11.0 UJ
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	8.60 U	9.80 U	8.60 U	8.50 U	9.60 UJ	8.20 U	8.60 U	8.60 U	9.40 UJ
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	8.60 U	9.80 U	8.60 U	8.50 U	9.60 UJ	8.20 U	8.60 U	8.60 U	9.40 UJ
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	8.60 U	9.80 U	8.60 U	8.50 U	9.60 UJ	8.20 U	8.60 U	8.60 U	9.40 UJ
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	8.60 U	9.80 U	8.60 U	8.50 U	9.60 UJ	8.20 U	8.60 U	8.60 U	9.40 UJ
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	10.0 UJ	12.0 UJ-	9.30 UJ	9.90 UJ	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	10.0 UJ	12.0 UJ-	9.30 UJ	9.90 UJ	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**10.0 J-**	12.0 UJ-	**13.0 J-**	**26.0 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**11.0 J-**	12.0 UJ-	**14.0 J-**	**59.0 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	12.0 UJ-
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**240 J-**	12.0 UJ-	**300 J-**	**730 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	12.0 UJ-
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**250**	12.0 UJ-	**290 J**	**720**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 U	12.0 UJ-
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**510**	12.0 UJ-	**590 J**	**1300**	12.0 UJ-	9.50 UJ-	11.0 UJ-	**8.50 J**	12.0 UJ-
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**140**	12.0 UJ-	**170 J**	**350**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 U	12.0 UJ-
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**190 J-**	12.0 UJ-	**220 J-**	**450 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	12.0 UJ-
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**300 J-**	12.0 UJ-	**350 J-**	**690 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	**5.60 J-**	12.0 UJ-
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**36.0**	12.0 UJ-	**43.0 J**	**93.0**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 U	12.0 UJ-
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**500 J-**	12.0 UJ-	**610 J-**	**1400 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	**9.50 J-**	12.0 UJ-
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	10.0 UJ	12.0 UJ-	9.30 UJ	**18.0 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**180**	12.0 UJ-	**220 J**	**460**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 U	12.0 UJ-
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	10.0 UJ	12.0 UJ-	9.30 UJ	9.90 UJ	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**140 J-**	12.0 UJ-	**140 J-**	**430 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	9.80 UJ	12.0 UJ-
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**470 J-**	12.0 UJ-	**480 J-**	**1200 J-**	12.0 UJ-	9.50 UJ-	11.0 UJ-	**8.70 J-**	12.0 UJ-

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU02-SS05			DU02-SS06		DU02-SS07		DU02-SS08	
		SAMPLE LOCATION		DU02-SS05	DU02-SS05	DOW-DUP2 (FD)	DU02-SS06	DU02-SS06	DU02-SS07	DU02-SS07	DU02-SS08	DU02-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1	3	3	1	4	1	3	1	3
		SAMPLE ENDING DEPTH (FEET)		3	10	10	4	10	3	10	3	10
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	4.00 U	1.90 U	5.20 U	4.80 U	4.00 U	3.70 U	3.90 U	4.10 U	4.00 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,1-Dichloropropene	Solid			2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	4.00 U	1.90 U	5.20 U	4.80 U	4.00 U	3.70 U	3.90 U	4.10 U	4.00 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,2-Dichloroethene	Solid			5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	4.00 U	1.90 U	5.20 U	4.80 U	4.00 U	3.70 U	3.90 U	4.10 U	4.00 U
1,3,5-Trichlorobenzene	Solid			2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
2,2-Dichloropropane	Solid			2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	13.0 U	5.90 U	16.0 U	15.0 U	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2-Chloroethyl vinyl ether	Solid			13.0 U	5.90 U	16.0 U	15.0 U	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	13.0 U	5.90 U	16.0 U	15.0 U	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	13.0 U	5.90 U	16.0 U	15.0 U	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	**7.00 J**	5.90 U	16.0 U	15.0 U	12.0 U	12.0 U	12.0 U	**89.0**	12.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
cis-1,3-Dichloropropene	Solid			2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	3.00 U	1.40 U	3.90 U	3.60 U	3.00 U	2.80 U	2.90 U	3.10 U	3.00 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU02-SS05			DU02-SS06		DU02-SS07		DU02-SS08	
		SAMPLE LOCATION		DU02-SS05	DU02-SS05	DOW-DUP2 (FD)	DU02-SS06	DU02-SS06	DU02-SS07	DU02-SS07	DU02-SS08	DU02-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1	3	3	1	4	1	3	1	3
		SAMPLE ENDING DEPTH (FEET)		3	10	10	4	10	3	10	3	10
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9						4.60 UJ			
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Methylcyclohexane	Solid			2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	20.0 U	9.50 U	26.0 U	24.0 U	20.0 U	18.0 U	19.0 U	21.0 U	20.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	3.00 U	1.40 U	3.90 U	3.60 U	3.00 U	2.80 U	2.90 U	3.10 U	3.00 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	25.0 U	12.0 U	33.0 U	30.0 U	25.0 U	23.0 U	24.0 U	26.0 U	25.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	25.0 U	12.0 U	33.0 U	30.0 U	25.0 U	23.0 U	24.0 U	26.0 U	25.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	**5.10**	1.40 U	3.90 U	3.60 U	3.00 U	2.80 U	2.90 U	3.10 U	**2.70 J**
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
trans-1,3-Dichloropropene	Solid			2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.50 U	1.20 U	3.30 U	3.00 U	2.50 U	2.30 U	2.40 U	2.60 U	2.50 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	5.10 U	2.40 U	6.60 U	6.00 U	4.90 U	4.60 U	4.80 U	5.20 U	5.00 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	7.60 U	3.60 U	9.90 U	9.00 U	7.40 U	6.90 U	7.30 U	7.70 U	7.40 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU03-SS01		DU03-SS02		DU03-SS03		DU03-SS04		
SAMPLE LOCATION				DU03-SS01	DU03-SS01	DU03-SS02	DU03-SS02	DU03-SS03	DU03-SS03	DU03-SS04	DU03-SS04	DOW-DUP3 (FD)
SAMPLE BEGINNING DEPTH (FEET)				1	2.5	1.5	1	1.5	1	1	2	1
SAMPLE ENDING DEPTH (FEET)				2.5	10	10	1.5	10	1.5	2	10	2
SAMPLE DATE				07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.300 J-**	NA	NA	**0.230 J**	NA	**0.100 J**	**0.150 J**	NA	**0.100 J**
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**8100**	NA	NA	**5600**	NA	**11200**	**11800**	NA	**16700**
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0320 J**	**0.0100 J**	**0.0250 J**	**0.0330**	**0.0170 J**	**0.0160 J**	**0.0430 J**	0.0190 U	**0.0240 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**21600**	**19700**	**19000**	**14300**	**17200**	**10900**	**18200**	**19100**	**19100**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.170 J-**	**0.181**	**0.190**	**0.150**	**0.130**	**0.130**	**0.130**	**0.160**	**0.0930**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**15.4 J-**	**15.6**	**16.8**	**12.5**	**12.0**	**9.81**	**8.91**		**10.1**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**71.6**	**49.3**	**48.4**	**37.8**	**46.7**	**28.0**	**51.4**	**51.9**	**62.1**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.718**	**0.725**	**0.704**	**0.466**	**0.602**	**0.370**	**0.511**	**0.705**	**0.626**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0490 J**	**0.0390 J**	**0.0310 J**	**0.208**	**0.0370 J**	**0.108**	**0.102 J**	**0.0860**	**0.0440 J**
Calcium	Solid			**2330**	**2930**	**2940**	**3030**	**2180**	**3750**	**1430**	**2820**	**1260**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**42.0 J-**	**41.6**	**40.2**	**31.9**	**34.1**	**30.0**	**32.2**		**34.8**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**15.9**	**13.4**	**16.6**	**13.5**	**14.1**	**11.2**	**10.6**	**19.4**	**15.4**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**22.5 J-**	**21.9**	**22.4**	**18.8**	**16.4**	**19.2**	**13.2**	**20.0**	**12.7**
Iron	Solid	2022 May EPA Res Soil	55000	**36400**	**35800**	**35100**	**31600**	**27800**	**24100**	**25900**	**37100**	**28700**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**15.4 J-**	**13.3**	**14.0**	**19.6**	**12.4**	**19.2**	**13.0**		**12.1**
Magnesium	Solid			**6720**	**7340**	**7190**	**6000**	**5390**	**5860**	**5170**	**6780**	**5530**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**629**	**465**	**595**	**632**	**465**	**575**	**380**	**743**	**532**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**43.7 J-**	**43.5**	**44.7**	**38.2**	**35.0**	**36.0**	**30.4**	**45.1**	**33.1**
Potassium	Solid			**2330 J-**	**3360**	**3300**	**1360**	**2380**	**1100**	**1520**	**3150**	**1860**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	**0.170 J**	0.220 U	0.300 U	**0.160 J**	0.220 U	0.200 U	**0.220 J**	0.200 U	**0.160 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0340 J**	**0.0350 J**	**0.0260 J**	**0.0880 J**	0.0290 U	**0.100**	**0.0510 J**	**0.0270 J**	**0.0170 J**
Sodium	Solid			**100**	**211**	**210**	**100**	**159**	**83.0**	**78.0 J**	**186**	**80.0 J**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.140**	**0.170**	**0.150**	**0.110**	**0.143**	**0.0690**	**0.130**	**0.162**	**0.140**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**41.1**	**39.5**	**39.4**	**25.3**	**35.0**	**17.9**	**31.2**	**38.1**	**33.8**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**61.9 J-**	**64.2**	**62.9**	**51.1**	**50.5**	**49.3**	**49.4**	**60.6**	**51.8**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	10.0 U	10.0 U	9.60 U	10.0 U	8.00 U	9.70 U	9.30 U	9.70 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	10.0 U	10.0 U	9.60 U	10.0 U	8.00 U	9.70 U	9.30 U	9.70 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	11.0 U	12.0 U	9.40 U	11.0 U	11.0 U	11.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	10.0 U	10.0 U	9.60 U	10.0 U	8.00 U	9.70 U	9.30 U	9.70 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	10.0 U	10.0 U	9.60 U	10.0 U	8.00 U	9.70 U	9.30 U	9.70 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	10.0 U	10.0 U	9.60 U	10.0 U	8.00 U	9.70 U	9.30 U	9.70 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	9.80 U	10.0 U	10.0 U	9.60 U	10.0 U	8.00 U	9.70 U	9.30 U	9.70 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	12.0 UJ-			**230 J-**	10.0 UJ-	99.0 UJ	**190 J**	12.0 U-	12.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	12.0 UJ-			**900 J-**	10.0 UJ-	**100 J-**	**550 J**	12.0 U-	**21.0 J**
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	12.0 UJ-			**3200 J-**	10.0 UJ-	**490 J-**	**1800 J**	12.0 U-	**69.0 J**
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	12.0 UJ-	12.0 UJ-	12.0 UJ-	**18000 J-**	**14.0 J-**	**1300 J-**	**6300 J-**	12.0 UJ-	**110 J-**
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	12.0 UJ-	12.0 UJ-	12.0 UJ-	**55000 J-**	**63.0 J-**	**8000 J-**	**16000 J**	12.0 UJ-	**560 J**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	12.0 UJ-	12.0 UJ-	12.0 UJ-	**44000**	**47.0 J-**	**7400**	**14000 J**	12.0 UJ-	**500 J**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**9.80 J-**	12.0 UJ-	**8.00 J-**	**67000**	**82.0 J-**	**13000**	**22000 J**	12.0 UJ-	**1100 J**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	12.0 UJ-	12.0 UJ-	12.0 UJ-	**17000**	**20.0 J-**	**4200**	**4000 J**	12.0 UJ-	**280 J**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	12.0 UJ-	12.0 UJ-	12.0 UJ-	**29000 J-**	**28.0 J-**	**4400 J-**	**8000 J**	12.0 UJ-	**340 J**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**6.50 J-**	12.0 UJ-	12.0 UJ-	**52000 J-**	**54.0 J-**	**8400 J-**	**18000 J**	12.0 UJ-	**810 J**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	12.0 UJ-	12.0 UJ-	12.0 UJ-	**5400**	**5.30 J-**	**1100**	**1200 J**	12.0 UJ-	**72.0 J**
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**8.50 J-**	12.0 UJ-	12.0 UJ-	**150000 J-**	**160 J-**	**20000 J-**	**50000 J**	12.0 UJ-	**1900 J**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	12.0 UJ-			**7000 J-**	10.0 UJ-	**440 J-**	**3200 J**	12.0 U-	**83.0 J**
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	12.0 UJ-	12.0 UJ-	12.0 UJ-	**23000**	**26.0 J-**	**4300**	**5000 J**	12.0 UJ-	**330 J**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	12.0 UJ-			**250 J-**	10.0 UJ-	99.0 UJ	**140 J+**	12.0 UJ-	12.0 UJ
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	12.0 UJ-	12.0 UJ-	12.0 UJ-	**110000 J-**	**92.0 J-**	**11000 J-**	**49000 J**	12.0 UJ-	**1400 J**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**7.80 J-**	12.0 UJ-	12.0 UJ-	**120000 J-**	**130 J-**	**16000 J-**	**41000 J**	12.0 UJ-	**1500 J**

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU03-SS01		DU03-SS02		DU03-SS03		DU03-SS04		
			SAMPLE LOCATION	DU03-SS01	DU03-SS01	DU03-SS02	DU03-SS02	DU03-SS03	DU03-SS03	DU03-SS04	DU03-SS04	DOW-DUP3 (FD)
			SAMPLE BEGINNING DEPTH (FEET)	1	2.5	1.5	1	1.5	1	1	2	1
			SAMPLE ENDING DEPTH (FEET)	2.5	10	10	1.5	10	1.5	2	10	2
			SAMPLE DATE	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	5.00 U	3.40 U	3.80 U	4.00 U	3.80 U	5.30 U	4.60 UJ	3.80 UJ	5.20 UJ
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,1-Dichloropropene	Solid			3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	3.10 UJ	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	3.10 UJ	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	5.00 U	3.40 U	3.80 U	4.00 U	3.80 U	5.30 U	4.60 UJ	3.80 UJ	5.20 UJ
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	3.10 UJ	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,2-Dichloroethene	Solid			6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	5.00 U	3.40 U	3.80 U	4.00 U	3.80 U	5.30 U	4.60 UJ	3.80 UJ	5.20 UJ
1,3,5-Trichlorobenzene	Solid			3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
2,2-Dichloropropane	Solid			3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	16.0 U	10.0 U	12.0 U	13.0 U	12.0 U	16.0 U	14.0 UJ	12.0 UJ	16.0 UJ
2-Chloroethyl vinyl ether	Solid			16.0 U	10.0 U	12.0 U	13.0 U	12.0 U	16.0 U	14.0 UJ	12.0 UJ	16.0 UJ
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	16.0 U	10.0 U	12.0 U	13.0 U	12.0 U	16.0 U	14.0 UJ	12.0 UJ	16.0 UJ
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	16.0 U	10.0 U	12.0 U	13.0 U	12.0 U	16.0 U	14.0 UJ	12.0 UJ	16.0 UJ
Acetone	Solid	2018 EPA Region IV Eco SLs	40	16.0 U	10.0 U	**6.70 J**	13.0 U	12.0 U	**12.0 J**	**79.0 J+**	12.0 UJ	**39.0 J+**
Benzene	Solid	2018 EPA Region IV Eco SLs	120	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Bromobenzene	Solid	2022 May EPA Res Soil	290000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Chloroethane	Solid	2022 May EPA Res Soil	5400000	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Chloromethane	Solid	2022 May EPA Res Soil	110000	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
cis-1,3-Dichloropropene	Solid			3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Cumene	Solid	2018 EPA Region IV Eco SLs	40	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	3.70 U	2.50 U	2.90 U	3.00 U	2.90 U	4.00 U	3.50 UJ	2.90 UJ	3.90 UJ
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Dibromomethane	Solid	2022 May EPA Res Soil	24000	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	3.10 UJ	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU03-SS01		DU03-SS02		DU03-SS03		DU03-SS04		
		SAMPLE LOCATION		DU03-SS01	DU03-SS01	DU03-SS02	DU03-SS02	DU03-SS03	DU03-SS03	DU03-SS04	DU03-SS04	DOW-DUP3 (FD)
		SAMPLE BEGINNING DEPTH (FEET)		1	2.5	1.5	1	1.5	1	1	2	1
		SAMPLE ENDING DEPTH (FEET)		2.5	10	10	1.5	10	1.5	2	10	2
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9			4.80 UJ		4.80 UJ	6.60 UJ	5.80 UJ	4.80 UJ	6.40 UJ
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Methylcyclohexane	Solid			3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	25.0 U	17.0 U	19.0 U	20.0 U	19.0 U	26.0 U	23.0 UJ	19.0 UJ	26.0 UJ
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	3.10 UJ	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
o-Xylene	Solid	2022 May EPA Res Soil	640000	3.70 U	2.50 U	2.90 U	3.00 U	2.90 U	4.00 U	3.50 UJ	2.90 UJ	3.90 UJ
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	31.0 U	21.0 U	24.0 U	25.0 U	24.0 U	33.0 U	29.0 UJ	24.0 UJ	32.0 UJ
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	31.0 U	21.0 U	24.0 U	25.0 U	24.0 U	33.0 U	29.0 UJ	24.0 UJ	32.0 UJ
Toluene	Solid	2018 EPA Region IV Eco SLs	150	3.70 U	2.50 U	2.90 U	3.00 U	2.90 U	4.00 U	3.50 UJ	2.90 UJ	3.90 UJ
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
trans-1,3-Dichloropropene	Solid			3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	3.10 U	2.10 U	2.40 U	2.50 U	2.40 U	3.30 U	2.90 UJ	2.40 UJ	3.20 UJ
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	6.20 UJ	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	6.20 U	4.20 U	4.80 U	5.10 U	4.80 U	6.60 U	5.80 UJ	4.80 UJ	6.40 UJ
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	9.40 U	6.30 U	7.20 U	7.60 U	7.20 U	9.90 U	8.70 UJ	7.20 UJ	9.70 UJ

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU03-SS05		DU03-SS06		DU03-SS07			DU03-SS08	
SAMPLE LOCATION				DU03-SS05	DU03-SS05	DU03-SS06	DU03-SS06	DU03-SS07	DU03-SS07	DOW-DUP4 (FD)	DU03-SS08	DU03-SS08
SAMPLE BEGINNING DEPTH (FEET)				1	2	1.5	1	1	1.5	1	1.5	1
SAMPLE ENDING DEPTH (FEET)				2	10	10	1.5	1.5	10	1.5	0	1.5
SAMPLE DATE				07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.240 J**	NA	NA	**0.210 J**	**0.260 J**	NA	**0.130 J**	NA	**0.120 J**
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**7900**	NA	NA	**16700**	**9300 J**	NA	**16000 J**	NA	**15600**
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	0.0190 U	**0.0230 J**	**0.00810 J**	**0.0430**	**0.0200 J**	0.0190 U	**0.0380 J**	**0.0190 J**	**0.0400**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**16800**	**22600**	**15700**	**15700**	**17800**	**21200**	**17600**	**19400**	**19300**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.100**	**0.170**	**0.170**	**0.180**	**0.140**	**0.175**	**0.120**	**0.120**	**0.120**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**9.53**	**18.9**	**12.8**	**10.3**	**11.5**	**16.4**	**9.10**	**8.91**	**8.48**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**49.8**	**66.2**	**70.2**	**95.3**	**53.6**	**56.8**	**46.8**	**70.4**	**58.3**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.486**	**0.803**	**0.584**	**0.498**	**0.729**	**0.796**	**0.569**	**0.708**	**0.591**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.345**	**0.0370 J**	**0.222**	**0.628**	**0.0966**	**0.0530 J**	**0.160**	**0.0180 J**	**0.224**
Calcium	Solid			**1200**	**3150**	**2750**	**2340**	**1810**	**2820**	**1580**	**2470**	**1620**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**33.4**	**42.1**	**31.3**	**34.7**	**35.7**	**42.4**	**31.4**	**39.9**	**32.8**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**10.1**	**22.2**	**20.9**	**11.8**	**13.8**	**14.6**	**9.21**	**10.8**	**10.1**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**13.4**	**22.5**	**18.0**	**20.4**	**15.7**	**21.9**	**15.4**	**12.7**	**17.0**
Iron	Solid	2022 May EPA Res Soil	55000	**25100**	**36400**	**31100**	**27900**	**29100**	**38400**	**27900**	**30400**	**25500**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**11.6**	**14.0**	**17.2**	**64.4**	**13.7**	**14.4**	**13.9**	**12.4**	**16.0**
Magnesium	Solid			**4580**	**7520**	**5590**	**5730**	**5470**	**6900**	**5410**	**6480**	**4630**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**413**	**1270**	**2680**	**476**	**412**	**458**	**332**	**292**	**389**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**29.3**	**47.1**	**47.4**	**34.2**	**34.1**	**43.8**	**32.3**	**38.9**	**29.8**
Potassium	Solid			**1360**	**3830**	**2100**	**1820**	**2110 J**	**3360**	**1170 J**	**2790**	**1650**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	**0.170 J**	0.300 U	0.220 U	**0.150 J**	**0.190 J**	0.190 U	**0.200 J**	0.210 U	**0.250 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0330 J**	**0.0250 J**	**0.302**	**1.90**	**0.0310 J**	**0.0240 J**	**0.0430 J**	**0.0250 J**	**0.0650 J**
Sodium	Solid			**70.0 J**	**259**	**198**	**110**	**110 J**	**212**	**61.0 J**	**147**	**86.0**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.120**	**0.180**	**0.152**	**0.130**	**0.140**	**0.174**	**0.110**	**0.153**	**0.140**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**30.5**	**42.3**	**32.6**	**28.5**	**36.7**	**42.6**	**28.1**	**35.2**	**33.8**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**46.5**	**64.3**	**52.2**	**76.1**	**48.3**	**61.3**	**50.2**	**51.0**	**52.1**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	9.40 U	10.0 U	9.80 U	8.90 U	49.0 U	9.90 U	10.0 U	9.70 U	9.90 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	9.40 U	10.0 U	9.80 U	8.90 U	49.0 U	9.90 U	10.0 U	9.70 U	9.90 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	12.0 U	10.0 U	58.0 U	12.0 U	12.0 U	11.0 U	12.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	9.40 U	10.0 U	9.80 U	8.90 U	49.0 U	9.90 U	10.0 U	9.70 U	**59.0 J+**
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	9.40 U	10.0 U	9.80 U	8.90 U	49.0 U	9.90 U	10.0 U	9.70 U	9.90 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	9.40 U	10.0 U	9.80 U	8.90 U	49.0 U	9.90 U	10.0 U	9.70 U	9.90 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	9.40 U	10.0 U	9.80 U	8.90 U	49.0 U	9.90 U	10.0 U	9.70 U	9.90 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	12.0 U	12.0 UJ-	11.0 U-	**100 J**	12.0 UJ-	12.0 UJ-	**6.00 J-**	12.0 UJ-	**35.0**
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	12.0 U	12.0 UJ-	11.0 U-	**210**	12.0 UJ-	12.0 UJ-	**16.0 J-**	12.0 UJ-	**75.0**
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	12.0 U	12.0 UJ-	11.0 U-	**970 J**	12.0 UJ-	12.0 UJ-	**78.0 J-**	12.0 UJ-	**290 J**
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	12.0 UJ	12.0 UJ-	11.0 UJ-	**1500 J-**	12.0 UJ-	12.0 UJ-	**98.0 J-**	12.0 UJ-	**520 J-**
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	12.0 U	12.0 UJ-	**13.0 J-**	**8400**	12.0 UJ-	12.0 UJ-	**670 J-**	12.0 UJ-	**2800**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	12.0 U	12.0 UJ-	**10.0 J-**	**8600**	12.0 UJ-	12.0 UJ-	**680 J-**	12.0 UJ-	**2500**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**9.60 J**	**6.80 J-**	**16.0 J-**	**14000**	12.0 UJ-	12.0 UJ-	**1300 J-**	12.0 UJ-	**4600**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	12.0 U	12.0 UJ-	**6.80 J-**	**3200**	12.0 UJ-	12.0 UJ-	**300 J-**	12.0 UJ-	**1300 J**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	12.0 U	12.0 UJ-	**7.40 J-**	**4200**	12.0 UJ-	12.0 UJ-	**470 J-**	12.0 UJ-	**2100 J**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**7.00 J**	**6.10 J-**	**13.0 J-**	**10000**	12.0 UJ-	12.0 UJ-	**860 J-**	12.0 UJ-	**3900**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	12.0 U	12.0 UJ-	11.0 UJ-	**980**	12.0 UJ-	12.0 UJ-	**83.0 J-**	12.0 UJ-	**260**
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**14.0 J**	**15.0 J-**	**29.0 J-**	**21000**	12.0 UJ-	12.0 UJ-	**1900 J-**	12.0 UJ-	**9500**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	12.0 U	12.0 UJ-	11.0 U-	**790**	12.0 UJ-	12.0 UJ-	**52.0 J-**	12.0 UJ-	**170**
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	12.0 U	12.0 UJ-	**7.20 J-**	**3800**	12.0 UJ-	12.0 UJ-	**370 J-**	12.0 UJ-	**1500 J**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	12.0 UJ	12.0 UJ-	11.0 UJ-	**110 J+**	12.0 UJ-	12.0 UJ-	**6.00 J-**	12.0 UJ-	**27.0 J+**
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**6.80 J**	**12.0 J-**	**14.0 J-**	**12000**	12.0 UJ-	12.0 UJ-	**1300 J-**	12.0 UJ-	**8000**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**11.0 J**	**12.0 J-**	**22.0 J-**	**17000**	12.0 UJ-	12.0 UJ-	**1900 J-**	12.0 UJ-	**8500**

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU03-SS05		DU03-SS06		DU03-SS07			DU03-SS08	
			SAMPLE LOCATION	DU03-SS05	DU03-SS05	DU03-SS06	DU03-SS06	DU03-SS07	DU03-SS07	DOW-DUP4 (FD)	DU03-SS08	DU03-SS08
			SAMPLE BEGINNING DEPTH (FEET)	1	2	1.5	1	1	1.5	1	1.5	1
			SAMPLE ENDING DEPTH (FEET)	2	10	10	1.5	1.5	10	1.5	0	1.5
			SAMPLE DATE	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	3.90 UJ	4.00 UJ	4.00 UJ	4.70 UJ	4.30 UJ	3.70 UJ	4.20 U	3.70 UJ	5.30 UJ
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,1-Dichloropropene	Solid			2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	3.90 UJ	4.00 UJ	4.00 UJ	4.70 UJ	4.30 UJ	3.70 UJ	4.20 U	3.70 UJ	5.30 UJ
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,2-Dichloroethene	Solid			4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	3.90 UJ	4.00 UJ	4.00 UJ	4.70 UJ	4.30 UJ	3.70 UJ	4.20 U	3.70 UJ	5.30 UJ
1,3,5-Trichlorobenzene	Solid			2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
2,2-Dichloropropane	Solid			2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	12.0 UJ	12.0 UJ	12.0 UJ	15.0 UJ	13.0 UJ	12.0 UJ	13.0 U	12.0 UJ	17.0 UJ
2-Chloroethyl vinyl ether	Solid			12.0 UJ	12.0 UJ	12.0 UJ	15.0 UJ	13.0 UJ	12.0 UJ	13.0 U	12.0 UJ	17.0 UJ
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	12.0 UJ	12.0 UJ	12.0 UJ	15.0 UJ	13.0 UJ	12.0 UJ	13.0 U	12.0 UJ	17.0 UJ
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	12.0 UJ	12.0 UJ	12.0 UJ	15.0 UJ	13.0 UJ	12.0 UJ	13.0 U	12.0 UJ	17.0 UJ
Acetone	Solid	2018 EPA Region IV Eco SLs	40	12.0 UJ	12.0 UJ	12.0 UJ	**31.0 J+**	**13.0 J+**	12.0 UJ	**10.0 J**	12.0 UJ	**59.0 J+**
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Chloroethane	Solid	2022 May EPA Res Soil	5400000	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Chloromethane	Solid	2022 May EPA Res Soil	110000	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
cis-1,3-Dichloropropene	Solid			2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	2.90 UJ	3.00 UJ	3.00 UJ	3.50 UJ	3.20 UJ	2.80 UJ	3.10 U	2.80 UJ	4.00 UJ
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Dibromomethane	Solid	2022 May EPA Res Soil	24000	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU03-SS05		DU03-SS06		DU03-SS07			DU03-SS08	
		SAMPLE LOCATION		DU03-SS05	DU03-SS05	DU03-SS06	DU03-SS06	DU03-SS07	DU03-SS07	DOW-DUP4 (FD)	DU03-SS08	DU03-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1	2	1.5	1	1	1.5	1	1.5	1
		SAMPLE ENDING DEPTH (FEET)		2	10	10	1.5	1.5	10	1.5	0	1.5
		SAMPLE DATE		07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23	07-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Methylcyclohexane	Solid			2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	20.0 UJ	20.0 UJ	20.0 UJ	24.0 UJ	21.0 UJ	19.0 UJ	21.0 U	18.0 UJ	27.0 UJ
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
o-Xylene	Solid	2022 May EPA Res Soil	640000	2.90 UJ	3.00 UJ	3.00 UJ	3.50 UJ	3.20 UJ	2.80 UJ	3.10 U	2.80 UJ	4.00 UJ
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	**1.70 J+**	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	24.0 UJ	25.0 UJ	25.0 UJ	30.0 UJ	27.0 UJ	23.0 UJ	26.0 U	23.0 UJ	33.0 UJ
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	24.0 UJ	25.0 UJ	25.0 UJ	30.0 UJ	27.0 UJ	23.0 UJ	26.0 U	23.0 UJ	33.0 UJ
Toluene	Solid	2018 EPA Region IV Eco SLs	150	2.90 UJ	**3.40 J+**	3.00 UJ	3.50 UJ	3.20 UJ	2.80 UJ	3.10 U	2.80 UJ	4.00 UJ
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
trans-1,3-Dichloropropene	Solid			2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.40 UJ	2.50 UJ	2.50 UJ	3.00 UJ	2.70 UJ	2.30 UJ	2.60 U	2.30 UJ	3.30 UJ
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	4.90 UJ	5.00 UJ	4.90 UJ	5.90 UJ	5.40 UJ	4.70 UJ	5.20 U	4.60 UJ	6.70 UJ
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	7.40 UJ	7.50 UJ	7.40 UJ	8.90 UJ	8.00 UJ	7.00 UJ	7.80 U	6.90 UJ	10.0 UJ

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU04-SS01		DU04-SS02		DU04-SS03		DU04-SS04	
		SAMPLE LOCATION		DU04-SS01	DU04-SS01	DU04-SS02	DU04-SS02	DU04-SS03	DU04-SS03	DU04-SS04	DU04-SS04
		SAMPLE BEGINNING DEPTH (FEET)		1	5	1	2.5	1	5	1	5.5
		SAMPLE ENDING DEPTH (FEET)		5	10	2.5	10	5	10	5.5	10
		SAMPLE DATE		08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.200 J**	NA	**5.48**	NA	**0.340 J**	NA	**0.660**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Total Organic Carbon	Solid			**6680**	NA	**17300**	NA	**2210**	NA	**18500**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	0.0180 U	0.0170 U	**0.0240 J**	**0.00940 J**	**0.0150 J**	**0.0270 J**	**0.0110 J**	0.0200 U
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Aluminum	Solid	2022 May EPA Res Soil	77000	**11700**	**18200**	**15400**	**23600**	**21800**	**36200 J**	**16100**	**19600**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.228**	**0.100**	**0.120**	**0.120**	**0.120**	**0.0560 J-**	**0.0820**	**0.248**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**11.8**	**8.01**	**8.99**	**5.83**	**10.6**	**5.62 J+**	**6.57**	**9.32**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**36.2**	**60.0**	**52.0**	**93.0**	**66.5**	**141 J-**	**38.8**	**55.8**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.362**	**0.679**	**0.543**	**0.803**	**0.744**	**1.06**	**0.624**	**0.747**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**10.4**	**0.0789**	**0.0660 J**	**0.300**	**0.0960**	**0.0490 J**	**0.0380 J**	**0.0620 J**
Calcium	Solid			**1890**	**2180**	**1690**	**1830**	**1680**	**2050 J**	**2590**	**3340**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**29.0**	**38.0**	**30.5**	**44.4**	**38.1**	**50.9 J-**	**33.9**	**39.4**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**11.2**	**13.8**	**12.3**	**12.2**	**13.9**	**14.9**	**8.84**	**14.0**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**23.3**	**14.2**	**14.4**	**12.8**	**16.2**	**6.28**	**13.4**	**19.8**
Iron	Solid	2022 May EPA Res Soil	55000	**32500**	**30800**	**25100**	**31000**	**34200**	**34200**	**23600**	**32200**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**21.7**	**10.4**	**13.0**	**16.2**	**18.4**	**11.0**	**9.78**	**13.3**
Magnesium	Solid			**6020**	**5940**	**4900**	**6680**	**6220**	**6180 J**	**5690**	**7680**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**1840**	**293**	**751**	**282**	**553**	**523**	**214**	**525**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**37.1**	**37.0**	**33.8**	**39.3**	**39.8**	**53.9 J-**	**35.0**	**41.9**
Potassium	Solid			**1100**	**2760**	**1640**	**2860**	**2140**	**3140 J**	**2240**	**3710**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.240 U	0.200 U	**0.130 J**	**0.240 J**	**0.130 J**	**0.110 J**	0.190 U	0.200 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0240 J**	**0.0240 J**	**0.0190 J**	0.0440 U	**0.0150 J**	**0.110**	**0.0340 J**	**0.0320 J**
Sodium	Solid			**82.0**	**249**	**130**	**170**	**123**	**187 J-**	**173**	**242**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0770 J**	**0.156**	**0.140**	**0.160**	**0.148**	**0.219**	**0.120**	**0.166**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**18.4**	**33.6**	**25.4**	**42.9**	**34.6**	**35.2 J-**	**30.2**	**38.4**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**84.7**	**49.0**	**45.0**	**66.6**	**55.2**	**133**	**57.6**	**60.3**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	9.60 U	9.40 U	10.0 U	9.60 U	8.80 U	9.10 U	10.0 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	9.60 U	9.40 U	10.0 U	9.60 U	8.80 U	9.10 U	10.0 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	14.0 U	11.0 U	11.0 U	12.0 U	11.0 U	10.0 U	11.0 U	12.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	9.60 U	**120**	10.0 U	9.60 U	8.80 U	9.10 U	10.0 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	9.60 U	9.40 U	10.0 U	9.60 U	8.80 U	9.10 U	10.0 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	9.60 U	9.40 U	10.0 U	9.60 U	8.80 U	9.10 U	10.0 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	9.60 U	9.40 U	10.0 U	9.60 U	8.80 U	9.10 U	10.0 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	11.0 U	12.0 UJ-	**10.0 J**	13.0 U-	10.0 U		11.0 UJ-	
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**6.00 J**	12.0 UJ-	**13.0 J**	13.0 U-	10.0 U		11.0 UJ-	
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**99.0 J**	12.0 UJ-	**61.0 J**	13.0 U-	**55.0 J**		11.0 UJ-	
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**70.0 J-**	12.0 UJ-	**35.0 J-**	13.0 UJ-	**32.0 J-**	11.0 UJ-	11.0 UJ-	11.0 UJ-
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**360**	12.0 UJ-	**200**	13.0 UJ-	**280**	11.0 UJ-	**9.20 J-**	11.0 UJ-
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**360**	12.0 UJ-	**240**	13.0 UJ-	**280**	11.0 UJ-	11.0 UJ-	11.0 UJ-
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**690**	12.0 UJ-	**390**	13.0 UJ-	**440**	11.0 UJ-	**24.0 J-**	11.0 UJ-
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**180**	12.0 UJ-	**110**	13.0 UJ-	**130**	11.0 UJ-	11.0 UJ-	11.0 UJ-
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**250**	12.0 UJ-	**160**	13.0 UJ-	**190**	11.0 UJ-	**8.20 J-**	11.0 UJ-
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**440**	12.0 UJ-	**260**	13.0 UJ-	**290**	11.0 UJ-	**27.0 J-**	11.0 UJ-
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**57.0**	12.0 UJ-	**40.0**	13.0 UJ-	**48.0**	11.0 UJ-	11.0 UJ-	11.0 UJ-
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**780**	12.0 UJ-	**370**	13.0 UJ-	**400**	11.0 UJ-	**140 J-**	11.0 UJ-
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**35.0**	12.0 UJ-	**36.0**	13.0 U-	**7.30 J**		11.0 UJ-	
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**210**	12.0 UJ-	**140**	13.0 UJ-	**150**	11.0 UJ-	11.0 UJ-	11.0 UJ-
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	11.0 UJ	12.0 UJ-	**28.0 J+**	13.0 UJ-	10.0 UJ		11.0 UJ-	
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**620**	12.0 UJ-	**180**	13.0 UJ-	**120**	11.0 UJ-	**50.0 J-**	11.0 UJ-
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**1000**	12.0 UJ-	**360**	13.0 UJ-	**340**	11.0 UJ-	**93.0 J-**	11.0 UJ-

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU04-SS01		DU04-SS02		DU04-SS03		DU04-SS04	
		SAMPLE LOCATION		DU04-SS01	DU04-SS01	DU04-SS02	DU04-SS02	DU04-SS03	DU04-SS03	DU04-SS04	DU04-SS04
		SAMPLE BEGINNING DEPTH (FEET)		1	5	1	2.5	1	5	1	5.5
		SAMPLE ENDING DEPTH (FEET)		5	10	2.5	10	5	10	5.5	10
		SAMPLE DATE		08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	5.80 UJ	3.60 UJ	4.50 U	4.10 UJ	5.20 UJ	3.80 UJ	3.50 UJ	3.80 UJ
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,1-Dichloropropene	Solid			3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	3.60 UJ	2.30 UJ	**170**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	5.80 UJ	3.60 UJ	4.50 U	4.10 UJ	5.20 UJ	3.80 UJ	3.50 UJ	3.80 UJ
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,2-Dichloroethene	Solid			7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	5.80 UJ	3.60 UJ	4.50 U	4.10 UJ	5.20 UJ	3.80 UJ	3.50 UJ	3.80 UJ
1,3,5-Trichlorobenzene	Solid			3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	3.60 UJ	2.30 UJ	**51.0**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
2,2-Dichloropropane	Solid			3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	18.0 UJ	11.0 UJ	**22.0 J**	13.0 UJ	16.0 UJ	**6.90 J+**	11.0 UJ	12.0 UJ
2-Chloroethyl vinyl ether	Solid			18.0 UJ	11.0 UJ	14.0 U	13.0 UJ	16.0 UJ	12.0 UJ	11.0 UJ	12.0 UJ
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	18.0 UJ	11.0 UJ	14.0 U	13.0 UJ	16.0 UJ	12.0 UJ	11.0 UJ	12.0 UJ
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	18.0 UJ	11.0 UJ	14.0 U	13.0 UJ	16.0 UJ	12.0 UJ	11.0 UJ	12.0 UJ
Acetone	Solid	2018 EPA Region IV Eco SLs	40	**15.0 J+**	**32.0 J+**	**86.0**	**44.0 J+**	**21.0 J+**	**59.0 J+**	11.0 UJ	**23.0 J+**
Benzene	Solid	2018 EPA Region IV Eco SLs	120	3.60 UJ	2.30 UJ	2.80 U	**1.80 J+**	3.30 UJ	**1.40 J+**	2.20 UJ	2.40 UJ
Bromobenzene	Solid	2022 May EPA Res Soil	290000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Chloroethane	Solid	2022 May EPA Res Soil	5400000	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Chloromethane	Solid	2022 May EPA Res Soil	110000	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
cis-1,3-Dichloropropene	Solid			3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Cumene	Solid	2018 EPA Region IV Eco SLs	40	3.60 UJ	2.30 UJ	**8.00**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	4.30 UJ	2.70 UJ	3.30 U	3.10 UJ	3.90 UJ	2.80 UJ	2.60 UJ	2.90 UJ
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Dibromomethane	Solid	2022 May EPA Res Soil	24000	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU04-SS01		DU04-SS02		DU04-SS03		DU04-SS04	
		SAMPLE LOCATION		DU04-SS01	DU04-SS01	DU04-SS02	DU04-SS02	DU04-SS03	DU04-SS03	DU04-SS04	DU04-SS04
		SAMPLE BEGINNING DEPTH (FEET)		1	5	1	2.5	1	5	1	5.5
		SAMPLE ENDING DEPTH (FEET)		5	10	2.5	10	5	10	5.5	10
		SAMPLE DATE		08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	7.20 UJ	4.50 UJ	**18.0**	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Methylcyclohexane	Solid			3.60 UJ	2.30 UJ	**5.60**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	29.0 UJ	18.0 UJ	22.0 U	20.0 UJ	26.0 UJ	19.0 UJ	18.0 UJ	19.0 UJ
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	3.60 UJ	2.30 UJ	**61.0**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	3.60 UJ	2.30 UJ	**12.0**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	3.60 UJ	2.30 UJ	**14.0**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
o-Xylene	Solid	2022 May EPA Res Soil	640000	4.30 UJ	2.70 UJ	3.30 U	3.10 UJ	3.90 UJ	2.80 UJ	2.60 UJ	2.90 UJ
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	3.60 UJ	2.30 UJ	**14.0**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	3.60 UJ	2.30 UJ	**13.0**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	36.0 UJ	23.0 UJ	28.0 U	26.0 UJ	33.0 UJ	24.0 UJ	22.0 UJ	24.0 UJ
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	3.60 UJ	2.30 UJ	**2.50 J**	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	36.0 UJ	23.0 UJ	28.0 U	26.0 UJ	33.0 UJ	24.0 UJ	22.0 UJ	24.0 UJ
Toluene	Solid	2018 EPA Region IV Eco SLs	150	4.30 UJ	2.70 UJ	3.30 U	**10.0 J+**	3.90 UJ	**12.0 J+**	2.60 UJ	2.90 UJ
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
trans-1,3-Dichloropropene	Solid			3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	3.60 UJ	2.30 UJ	2.80 U	2.60 UJ	3.30 UJ	2.40 UJ	2.20 UJ	2.40 UJ
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	7.20 UJ	4.50 UJ	5.60 U	5.10 UJ	6.60 UJ	4.70 UJ	4.40 UJ	4.80 UJ
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	11.0 UJ	6.80 UJ	**19.2**	7.70 UJ	9.80 UJ	7.10 UJ	6.60 UJ	7.20 UJ

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU04-SS05			DU04-SS06		DU04-SS07		DU04-SS08	
SAMPLE LOCATION				DU04-SS05	DU04-SS05	DOW-DUP5 (FD)	DU04-SS06	DU04-SS06	DU04-SS07	DU04-SS07	DU04-SS08	DU04-SS08
SAMPLE BEGINNING DEPTH (FEET)				1	1.5	1	1	5.5	1	3	1	5.5
SAMPLE ENDING DEPTH (FEET)				1.5	10	1.5	5.5	10	3	10	5.5	10
SAMPLE DATE				08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.150 J**	NA	NA	**0.370 J**	NA	**0.190 J**	NA	**0.160 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**17900**	NA	NA	**770**	NA	**18800**	NA	**8850**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0450 J**	0.0190 U	0.0210 U	0.0160 U	0.0190 U	**0.0460**	0.0210 U	**0.0140 J**	**0.0100 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**17600**	**19200**	**19200**	**18900**	**19500**	**19800**	**21400**	**15300**	**20100**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.110 J**	**0.234**	**0.199 J**	**0.225**	**0.221**	**0.140**	**0.220**	**0.0940**	**0.210**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**7.21 J**	**15.8**	**12.6 J**	**12.0**	**14.5**	**7.12**	**11.9**	**4.82**	**12.1**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**47.4**	**54.8**	**55.7**	**55.5**	**55.4**	**55.8**	**68.4**	**42.5**	**60.8**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.418 J**	**0.754**	**0.742 J**	**0.718**	**0.752**	**0.530**	**0.832**	**0.471**	**0.720**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0830 J**	**0.0530 J**	**0.0370 J**	**0.0280 J**	**0.0330 J**	**0.121**	**0.0260 J**	**0.0350 J**	**0.0690 J**
Calcium	Solid			**2510**	**2730**	**2840**	**2420**	**2600**	**1170**	**2670**	**2260**	**2820**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**27.3**	**38.2**	**36.5**	**35.1**	**38.1**	**30.5**	**44.7**	**27.0**	**40.1**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**5.41 J**	**15.1**	**13.0 J**	**15.1**	**14.9**	**7.97**	**13.3**	**7.93**	**12.4**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**6.90 J**	**20.5**	**18.4 J**	**18.5**	**19.8**	**9.18**	**19.0**	**11.3**	**18.7**
Iron	Solid	2022 May EPA Res Soil	55000	**23600**	**33500**	**31700**	**30600**	**32700**	**23500**	**32200**	**20400**	**31600**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**10.1**	**13.2**	**12.0**	**12.6**	**13.1**	**11.5**	**11.9**	**11.2**	**11.6**
Magnesium	Solid			**3580 J**	**6800**	**6670 J**	**6510**	**6900**	**4630**	**7260**	**4620**	**7010**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**154 J**	**600**	**456 J**	**641**	**627**	**242**	**451**	**235**	**332**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**17.6 J**	**41.8**	**39.0 J**	**39.6**	**41.1**	**25.6**	**42.0**	**27.0**	**40.2**
Potassium	Solid			**1290 J**	**3390**	**3470 J**	**3190**	**3440**	**1680**	**3360**	**1730**	**3760**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	**0.330 J**	0.200 U	0.230 U	0.260 U	0.210 U	**0.310 J**	0.260 U	0.280 U	0.280 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0760 J**	**0.0240 J**	**0.0210 J**	0.0350 U	**0.0290 J**	**0.0400 J**	0.0350 U	**0.0230 J**	**0.0330 J**
Sodium	Solid			**160 J**	**264**	**279 J**	**189**	**205**	**110**	**262**	**140**	**216**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.150**	**0.164**	**0.170**	**0.160**	**0.168**	**0.120**	**0.185**	**0.110**	**0.170**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**36.3**	**40.0**	**36.0**	**35.5**	**37.6**	**32.0**	**39.6**	**25.6**	**37.7**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**41.0**	**59.0**	**55.5**	**55.1**	**58.2**	**48.4**	**53.0**	**44.4**	**59.4**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	10.0 U	9.80 U	9.60 U	11.0 U	10.0 U	9.80 U	10.0 UJ	10.0 UJ
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	10.0 U	9.80 U	9.60 U	11.0 U	10.0 U	9.80 U	10.0 UJ	10.0 UJ
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	13.0 U	12.0 U	11.0 U	11.0 U	13.0 U	12.0 U	11.0 U	12.0 UJ	12.0 UJ
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	10.0 U	9.80 U	9.60 U	11.0 U	10.0 U	9.80 U	10.0 UJ	10.0 UJ
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	10.0 U	9.80 U	9.60 U	11.0 U	10.0 U	9.80 U	10.0 UJ	10.0 UJ
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	10.0 U	9.80 U	9.60 U	11.0 U	10.0 U	9.80 U	10.0 UJ	10.0 UJ
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	10.0 U	9.80 U	9.60 U	11.0 U	10.0 U	9.80 U	10.0 UJ	10.0 UJ
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	13.0 U	11.0 U		12.0 U	11.0 U	12.0 U	11.0 U	12.0 U	
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	13.0 U	11.0 U		12.0 U	11.0 U	12.0 U	11.0 U	12.0 U	
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	13.0 U	11.0 U		12.0 U	11.0 U	12.0 U	11.0 U	12.0 U	
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	13.0 U	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**6.00 J**	11.0 UJ-	**8.40 J-**	11.0 UJ-
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**17.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**44.0**	**7.80 J-**	**49.0 J-**	11.0 UJ-
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**18.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**48.0**	11.0 UJ-	**47.0 J-**	11.0 UJ-
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**37.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**100**	**11.0 J-**	**98.0 J-**	11.0 UJ-
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**17.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**40.0**	11.0 UJ-	**37.0 J-**	11.0 UJ-
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**14.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**38.0**	11.0 UJ-	**36.0 J-**	11.0 UJ-
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**25.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**60.0**	**8.60 J-**	**65.0 J-**	11.0 UJ-
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	13.0 U	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**8.90 J**	11.0 UJ-	**9.50 J-**	11.0 UJ-
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**51.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**120**	**15.0 J-**	**150 J-**	11.0 UJ-
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	13.0 U	11.0 U		12.0 U	11.0 U	12.0 U	11.0 U	**6.00 J**	
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**18.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**42.0**	11.0 UJ-	**41.0 J-**	11.0 UJ-
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	13.0 U	11.0 U		12.0 U	11.0 U	12.0 U	11.0 U	12.0 U	
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**30.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**54.0**	11.0 UJ-	**73.0 J-**	11.0 UJ-
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**42.0 J**	11.0 U	12.0 UJ-	12.0 UJ-	11.0 UJ-	**100**	**12.0 J-**	**120 J-**	11.0 UJ-

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU04-SS05			DU04-SS06		DU04-SS07		DU04-SS08	
		SAMPLE LOCATION		DU04-SS05	DU04-SS05	DOW-DUP5 (FD)	DU04-SS06	DU04-SS06	DU04-SS07	DU04-SS07	DU04-SS08	DU04-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1	1.5	1	1	5.5	1	3	1	5.5
		SAMPLE ENDING DEPTH (FEET)		1.5	10	1.5	5.5	10	3	10	5.5	10
		SAMPLE DATE		08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	4.40 U	4.00 U	4.20 U	4.20 U	4.10 U	5.70 UJ	4.10 U	3.50 U	4.40 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,1-Dichloropropene	Solid			2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	4.40 U	4.00 U	4.20 U	4.20 U	4.10 U	5.70 UJ	4.10 U	3.50 U	4.40 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,2-Dichloroethene	Solid			5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	4.40 U	4.00 U	4.20 U	4.20 U	4.10 U	5.70 UJ	4.10 U	3.50 U	4.40 U
1,3,5-Trichlorobenzene	Solid			2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
2,2-Dichloropropane	Solid			2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	**38.0 J**	13.0 U	13.0 U	13.0 U	13.0 U	18.0 UJ	13.0 U	11.0 U	14.0 U
2-Chloroethyl vinyl ether	Solid			14.0 U	13.0 U	13.0 U	13.0 U	13.0 U	18.0 UJ	13.0 U	11.0 U	14.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	14.0 U	13.0 U	13.0 U	13.0 U	13.0 U	18.0 UJ	13.0 U	11.0 U	14.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	14.0 U	13.0 U	13.0 U	13.0 U	13.0 U	18.0 UJ	13.0 U	11.0 U	14.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	**930 J**	**19.0 J**	**7.90 J**	13.0 U	13.0 U	**72.0 J-**	13.0 U	**7.50 J**	**10.0 J**
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
cis-1,3-Dichloropropene	Solid			2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	3.30 U	3.00 U	3.20 U	3.10 U	3.00 U	4.30 UJ	3.10 U	2.60 U	3.30 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU04-SS05			DU04-SS06		DU04-SS07		DU04-SS08	
		SAMPLE LOCATION		DU04-SS05	DU04-SS05	DOW-DUP5 (FD)	DU04-SS06	DU04-SS06	DU04-SS07	DU04-SS07	DU04-SS08	DU04-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1	1.5	1	1	5.5	1	3	1	5.5
		SAMPLE ENDING DEPTH (FEET)		1.5	10	1.5	5.5	10	3	10	5.5	10
		SAMPLE DATE		08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23	08-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	5.50 U	5.10 UJ	5.20 U	5.20 UJ	5.10 UJ	7.20 UJ	5.20 UJ	4.40 UJ	5.50 UJ
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Methylcyclohexane	Solid			2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	22.0 U	20.0 U	21.0 U	21.0 U	20.0 U	29.0 UJ	21.0 U	17.0 U	22.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	3.30 U	3.00 U	3.20 U	3.10 U	3.00 U	4.30 UJ	3.10 U	2.60 U	3.30 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	27.0 U	25.0 U	26.0 U	26.0 U	25.0 U	36.0 UJ	26.0 U	22.0 U	28.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	27.0 U	25.0 U	26.0 U	26.0 U	25.0 U	36.0 UJ	26.0 U	22.0 U	28.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	3.30 U	**2.40 J**	3.20 U	3.10 U	3.00 U	4.30 UJ	3.10 U	2.60 U	3.30 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
trans-1,3-Dichloropropene	Solid			2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.70 U	2.50 U	2.60 U	2.60 U	2.50 U	3.60 UJ	2.60 U	2.20 U	2.80 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	5.50 U	5.10 U	5.20 U	5.20 U	5.10 U	7.20 UJ	5.20 U	4.40 U	5.50 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	8.20 U	7.60 U	7.90 U	7.80 U	7.60 U	11.0 UJ	7.80 U	6.50 U	8.20 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU05-SS01		DU05-SS02		DU05-SS03		DU05-SS04		DU05-SS05	
		SAMPLE LOCATION		DU05-SS01	DU05-SS01	DU05-SS02	DU05-SS02	DU05-SS03	DU05-SS03	DU05-SS04	DU05-SS04	DU05-SS05	DU05-SS05
		SAMPLE BEGINNING DEPTH (FEET)		1	5.5	1	5.5	1	3.5	1	5.5	1	1.5
		SAMPLE ENDING DEPTH (FEET)		5.5	10	5.5	10	3.5	10	5.5	10	1.5	10
		SAMPLE DATE		09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.230 J**	NA	**0.250 J**	NA	**1.24**	NA	**0.260 J**	NA	**0.0700 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Total Organic Carbon	Solid			**9970**	NA	**7000**	NA	**15000**	NA	**1600**	NA	**19500**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0250 J-**	**0.0320 J-**	**0.0230 J-**	**0.0110 J-**	**0.0170 J-**	**0.0160 J-**	0.0160 UJ	**0.0160 J-**	**0.0230 J-**	**0.0130 J-**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Aluminum	Solid	2022 May EPA Res Soil	77000	**18400**	**11100**	**17700**	**19100**	**21500**	**22100**	**11500**	**19300**	**19400**	**19300**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.220**	**0.371**	**0.150**	**0.239**	**0.266**	**0.180 J-**	**0.252**	**0.190**	**0.199**	**0.191**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**9.80**	**7.87**	**7.75**	**18.1**	**11.7**	**7.59 J**	**16.6**	**13.5**	**11.2**	**11.5**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**65.5**	**69.0**	**63.8**	**56.9**	**68.8**	**82.9**	**18.4**	**56.2**	**64.7**	**59.4**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.604**	**0.413**	**0.655**	**0.741**	**0.845**	**0.923**	**0.299**	**0.728**	**0.780**	**0.757**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0680 J**	**3.60**	**0.679**	**0.105**	**0.377**	**0.439**	**0.0600 J**	**0.0320 J**	**0.154**	**0.0490 J**
Calcium	Solid			**4800**	**20500**	**3670**	**3150**	**2850**	**3360 J**	**2790**	**3350**	**2980**	**2550**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**34.1**	**37.6**	**33.0**	**39.4**	**43.9**	**40.2**	**27.0**	**40.7**	**39.1**	**39.5**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**13.8**	**9.28**	**13.2**	**12.2**	**15.4**	**13.3**	**14.9**	**12.6**	**14.2**	**11.5**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**10.4**	**20.8**	**11.1**	**19.3**	**20.6**	**13.1 J**	**18.6**	**17.4**	**16.3**	**18.6**
Iron	Solid	2022 May EPA Res Soil	55000	**28000**	**23800**	**27200**	**34100**	**38300**	**27000**	**29400**	**32000**	**31400**	**30600**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**16.6**	**105**	**12.1**	**13.0**	**17.4**	**18.6 J-**	**9.57**	**11.7**	**15.4**	**12.1**
Magnesium	Solid			**5280**	**6740**	**5700**	**6470**	**7990**	**5640 J**	**7890**	**6480**	**6300**	**6130**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**781**	**387**	**260**	**472**	**606**	**347**	**588**	**404**	**551**	**387**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**31.9**	**41.2**	**34.7**	**41.2**	**46.1**	**38.4**	**36.0**	**40.8**	**41.1**	**40.1**
Potassium	Solid			**2110**	**1570**	**1880**	**3420**	**3760**	**2700 J+**	**894**	**3320**	**3000**	**3200**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	**0.140 J**	0.300 U	**0.140 J**	0.240 U	0.220 U	**0.220 J**	0.280 U	0.310 U	**0.0990 J**	0.210 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0400 J**	**0.0320 J**	**0.0190 J**	**0.0330 J**	**0.0270 J**	**0.120**	**0.0290 J**	**0.0420 J**	**0.0510 J**	**0.0420 J**
Sodium	Solid			**120**	**180**	**96.0**	**210**	**233**	**150**	**73.0 J**	**217**	**172**	**145**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.140**	**0.0800 J**	**0.110**	**0.166**	**0.176**	**0.170**	**0.0870 J**	**0.180**	**0.154**	**0.150**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**32.6**	**37.0**	**33.4**	**40.4**	**42.1**	**37.2**	**19.4**	**37.5**	**36.1**	**36.0**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**51.0**	**120**	**46.4**	**58.0**	**67.6**	**70.0 J-**	**53.7**	**57.2**	**63.2**	**57.3**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	52.0 U	10.0 U	9.50 U	9.60 U	9.70 U	9.20 U	9.90 U	47.0 U	10.0 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	52.0 U	10.0 U	9.50 U	9.60 U	9.70 U	9.20 U	9.90 U	47.0 U	10.0 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	12.0 U	61.0 U	12.0 U	11.0 U	11.0 U	11.0 U	11.0 U	12.0 U	56.0 U	12.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	52.0 U	10.0 U	9.50 U	9.60 U	9.70 U	9.20 U	9.90 U	47.0 U	10.0 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	52.0 U	10.0 U	9.50 U	9.60 U	9.70 U	9.20 U	9.90 U	47.0 U	10.0 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	52.0 U	10.0 U	9.50 U	9.60 U	9.70 U	9.20 U	9.90 U	47.0 U	10.0 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	52.0 U	10.0 U	9.50 U	9.60 U	9.70 U	9.20 U	9.90 U	47.0 U	10.0 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	**6.50 J**	**340**	10.0 U	11.0 U	12.0 U	11.0 UJ	10.0 U	12.0 U	**70.0 J**	11.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**15.0 J**	**310**	10.0 U	11.0 U	12.0 U	11.0 UJ	10.0 U	12.0 U	**390**	11.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**120**	**1600**	10.0 U	11.0 U	12.0 U	11.0 UJ	**45.0**	12.0 U	**940**	11.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**160**	**1500**	10.0 U	11.0 U	12.0 UJ	11.0 UJ	**62.0**	12.0 U	**2400**	11.0 U
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**970**	**6500**	**18.0 J**	11.0 U	**24.0 J-**	**9.30 J-**	**470**	**6.40 J**	**13000**	**7.60 J**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**810**	**7900**	**20.0**	11.0 U	**20.0 J-**	**7.20 J-**	**450**	12.0 U	**10000**	11.0 U
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**1300**	**9600**	**37.0**	11.0 U	**30.0 J-**	**19.0 J-**	**840**	**9.50 J**	**19000**	**9.30 J**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**420**	**3000**	**16.0 J**	11.0 U	**15.0 J-**	**11.0 J-**	**280**	12.0 U	**4200**	11.0 U
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**450**	**2600**	**14.0 J**	11.0 U	**10.0 J-**	**6.80 J-**	**290**	12.0 U	**5800**	11.0 U
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**960**	**7200**	**26.0**	11.0 U	**29.0 J-**	**13.0 J-**	**580**	**7.90 J**	**12000**	**7.40 J**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**120**	**790**	10.0 U	11.0 U	12.0 UJ	11.0 UJ	**70.0**	12.0 U	**1300**	11.0 U
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**2200**	**12000**	**61.0**	11.0 U	**46.0 J-**	**28.0 J-**	**1500**	**13.0 J**	**34000**	**19.0 J**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**65.0**	**880**	10.0 U	11.0 U	12.0 U	11.0 UJ	**18.0 J**	12.0 U	**900**	11.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**500**	**3100**	**20.0**	11.0 U	**16.0 J-**	**12.0 J-**	**330**	12.0 U	**5300**	11.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	12.0 U	**310**	10.0 U	11.0 U	12.0 U	11.0 UJ	10.0 U	12.0 U	120 U	11.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**1200**	**4700**	**24.0**	11.0 U	**14.0 J-**	**14.0 J-**	**630**	**7.30 J**	**20000**	**11.0 J**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**1700**	**11000**	**45.0**	11.0 U	**48.0 J-**	**23.0 J-**	**1000**	**13.0 J**	**25000**	**14.0 J**

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU05-SS01		DU05-SS02		DU05-SS03		DU05-SS04		DU05-SS05	
			SAMPLE LOCATION	DU05-SS01	DU05-SS01	DU05-SS02	DU05-SS02	DU05-SS03	DU05-SS03	DU05-SS04	DU05-SS04	DU05-SS05	DU05-SS05
			SAMPLE BEGINNING DEPTH (FEET)	1	5.5	1	5.5	1	3.5	1	5.5	1	1.5
			SAMPLE ENDING DEPTH (FEET)	5.5	10	5.5	10	3.5	10	5.5	10	1.5	10
			SAMPLE DATE	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	4.30 U	4.70 UJ	4.50 U	3.80 U	3.90 U	4.70 U	4.40 U	3.70 U	4.50 U	3.90 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,1-Dichloropropene	Solid			2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.70 U	**83.0 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	4.30 U	4.70 UJ	4.50 U	3.80 U	3.90 U	4.70 U	4.40 U	3.70 U	4.50 U	3.90 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,2-Dichloroethene	Solid			5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	4.30 U	4.70 UJ	4.50 U	3.80 U	3.90 U	4.70 U	4.40 U	3.70 U	4.50 U	3.90 U
1,3,5-Trichlorobenzene	Solid			2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.70 U	**22.0 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
2,2-Dichloropropane	Solid			2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	13.0 U	15.0 UJ	14.0 U	12.0 U	12.0 U	15.0 U	14.0 U	12.0 U	14.0 U	12.0 U
2-Chloroethyl vinyl ether	Solid			13.0 U	15.0 UJ	14.0 UJ	12.0 U	12.0 U	15.0 U	14.0 U	12.0 U	14.0 U	12.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	13.0 U	15.0 UJ	14.0 U	12.0 U	12.0 U	15.0 U	14.0 U	12.0 U	14.0 U	12.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	13.0 U	15.0 UJ	14.0 U	12.0 U	12.0 U	15.0 U	14.0 U	12.0 U	14.0 U	12.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	13.0 U	15.0 UJ	**11.0 J**	**9.70 J**	12.0 U	15.0 U	14.0 U	**8.00 J**	**19.0 J**	12.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.70 U	**2.10 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.70 U	**3.50 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
cis-1,3-Dichloropropene	Solid			2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	**6.80 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	3.20 U	**12.0 J-**	3.40 U	2.80 U	2.90 U	3.60 U	3.30 U	2.80 U	3.40 U	2.90 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.70 U	**11.0 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU05-SS01		DU05-SS02		DU05-SS03		DU05-SS04		DU05-SS05	
		SAMPLE LOCATION		DU05-SS01	DU05-SS01	DU05-SS02	DU05-SS02	DU05-SS03	DU05-SS03	DU05-SS04	DU05-SS04	DU05-SS05	DU05-SS05
		SAMPLE BEGINNING DEPTH (FEET)		1	5.5	1	5.5	1	3.5	1	5.5	1	1.5
		SAMPLE ENDING DEPTH (FEET)		5.5	10	5.5	10	3.5	10	5.5	10	1.5	10
		SAMPLE DATE		09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**										
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 UJ	5.50 U	4.70 U	5.70 U	4.80 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	5.30 U	**14.0 J-**	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Methylcyclohexane	Solid			2.70 U	**39.0 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	21.0 U	24.0 UJ	22.0 U	19.0 U	19.0 U	24.0 U	**14.0 J**	**44.0**	23.0 U	**31.0**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.70 U	**2700**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.70 U	**11.0 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	3.20 U	**9.10 J-**	3.40 U	2.80 U	2.90 U	3.60 U	3.30 U	2.80 U	3.40 U	2.90 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.70 U	**12.0 J-**	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	27.0 U	30.0 UJ	28.0 U	24.0 U	24.0 U	30.0 U	27.0 U	23.0 U	28.0 U	24.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	27.0 U	30.0 UJ	28.0 U	24.0 U	24.0 U	30.0 U	27.0 U	23.0 U	28.0 U	24.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	3.20 U	**7.40 J-**	3.40 U	2.80 U	2.90 U	3.60 U	3.30 U	2.80 U	3.40 U	2.90 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
trans-1,3-Dichloropropene	Solid			2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.70 U	3.00 UJ	2.80 U	2.40 U	2.40 U	3.00 U	2.70 U	2.30 U	2.80 U	2.40 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 UJ	5.50 U	4.70 U	5.70 U	4.80 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	5.30 U	5.90 UJ	5.60 U	4.70 U	4.90 U	5.90 U	5.50 U	4.70 U	5.70 U	4.80 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	8.00 U	**23.1 J-**	8.40 U	7.10 U	7.30 U	8.90 U	8.20 U	7.00 U	8.50 U	7.20 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU05-SS06			DU05-SS07		DU05-SS08		DU06-SS01	
SAMPLE LOCATION				DU05-SS06	DU05-SS06	DOW-DUP6	DU05-SS07	DU05-SS07	DU05-SS08	DU05-SS08	DU06-SS01	DU06-SS01
SAMPLE BEGINNING DEPTH (FEET)				1	4.5	1	1	5.5	1	4	1	3
SAMPLE ENDING DEPTH (FEET)				4.5	10	4.5	5.5	10	4	10	3	10
SAMPLE DATE				09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.300 J**	NA	**0.270 J**	**0.680**	NA	**0.250 J**	NA	**0.220 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**3600**	NA	**1170**	**1660**	NA	**6600**	NA	**6000**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0220 J-**	**0.0130 J-**	**0.00780 J-**	**0.0140 J-**	**0.0140 J-**	**0.0140 J-**	**0.0140 J-**	**0.0490**	0.0180 U
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**14900**	**20100**	**12900**	**20500**	**21300**	**20300**	**19200**	**2640**	**18000**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.190**	**0.200**	**0.120**	**0.220**	**0.180**	**0.211**	**0.200**	**0.255**	**0.110**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**11.2**	**27.2**	**11.6**	**14.3**	**12.8**	**10.5**	**12.6**	**2.06**	**14.0**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**36.3**	**55.6**	**33.4**	**61.1**	**64.0**	**26.7**	**54.4**	**29.0**	**54.3**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.471**	**0.746**	**0.379**	**0.845**	**0.895**	**0.345**	**0.754**	**0.168**	**0.606**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0665**	**0.0380 J**	**0.0907**	**0.0170 J**	**0.0260 J**	**0.0590 J**	**0.0230 J**	**0.163**	**0.0550 J**
Calcium	Solid			**1930**	**2810**	**3170**	**2600**	**3200**	**7870**	**3050**	**2740**	**2980**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**31.2**	**42.6**	**31.2**	**41.8**	**42.5**	**34.9**	**39.8**	**9.14**	**38.7**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**13.2**	**13.6**	**12.5**	**10.3**	**11.5**	**9.42**	**11.3**	**1.72**	**15.0**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**20.2**	**19.6**	**15.7**	**19.1**	**19.4**	**16.3**	**19.0**	**57.2**	**18.4**
Iron	Solid	2022 May EPA Res Soil	55000	**32800**	**39600**	**27100**	**34500**	**34100**	**23300**	**32700**	**5350**	**31500**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**10.8**	**12.4**	**9.43**	**12.4**	**12.2**	**9.44**	**12.2**	**13.4**	**10.7**
Magnesium	Solid			**7490**	**6350**	**7540**	**6440**	**6970**	**5450**	**6770**	**1250**	**6710**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**850**	**372**	**578**	**302**	**365**	**779**	**369**	**130**	**765**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**43.6**	**39.5**	**41.4**	**42.3**	**45.5**	**32.6**	**41.8**	**7.74**	**42.1**
Potassium	Solid			**1270**	**3360**	**1820**	**3180**	**3820**	**936**	**3320**	**739**	**3480**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.180 U	0.260 U	0.270 U	0.330 U	0.270 U	0.210 U	0.240 U	**0.540**	0.280 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0250 J**	**0.0240 J**	**0.0210 J**	0.0440 U	**0.0440 J**	**0.0370 J**	**0.0260 J**	**0.294**	**0.0320 J**
Sodium	Solid			**75.0**	**150**	**87.0 J**	**150**	**195**	**949**	**204**	**130**	**288**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0850**	**0.160**	**0.130**	**0.150**	**0.183**	**0.0660 J**	**0.150**	**0.0350 J**	**0.170**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**21.4**	**40.8**	**19.3**	**40.4**	**40.7**	**16.8**	**37.8**	**5.25**	**37.2**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**52.9**	**58.7**	**49.2**	**56.3**	**64.4**	**38.3**	**58.4**	**92.5**	**56.8**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	10.0 U	8.50 U	9.80 U	10.0 U	8.40 U	10.0 U	8.50 U	9.10 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	10.0 U	8.50 U	9.80 U	10.0 U	8.40 U	10.0 U	8.50 U	9.10 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	11.0 U	12.0 U	10.0 U	12.0 U	12.0 U	9.90 U	12.0 U	10.0 U	11.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	10.0 U	8.50 U	9.80 U	10.0 U	8.40 U	10.0 U	8.50 U	9.10 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	10.0 U	8.50 U	9.80 U	10.0 U	8.40 U	10.0 U	8.50 U	9.10 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	10.0 U	8.50 U	9.80 U	10.0 U	8.40 U	10.0 U	8.50 U	9.10 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	10.0 U	8.50 U	9.80 U	10.0 U	8.40 U	10.0 U	8.50 U	9.10 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	96.0 U	11.0 UJ	9.90 U	10.0 U	11.0 U	11.0 U	12.0 UJ	11.0 U	12.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**110 J**	11.0 UJ	9.90 U	10.0 U	11.0 U	11.0 U	12.0 UJ	11.0 U	12.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	**400**	11.0 UJ	**29.0**	10.0 U	11.0 U	**10.0 J**	12.0 UJ	11.0 U	12.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**1800**	11.0 UJ	**31.0**	10.0 U	11.0 UJ	**21.0**	12.0 UJ	11.0 U	12.0 UJ
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**6500**	**7.70 J-**	**270**	10.0 U	**6.90 J-**	**130**	**18.0 J-**	**70.0**	12.0 UJ
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**3700**	11.0 UJ	**300**	10.0 U	11.0 UJ	**100**	**14.0 J-**	**70.0**	12.0 UJ
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**7700**	**12.0 J-**	**510**	10.0 U	**8.50 J-**	**190**	**25.0 J-**	**120**	12.0 UJ
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**1800**	11.0 UJ	**180**	10.0 U	11.0 UJ	**69.0**	**8.70 J-**	**37.0**	12.0 UJ
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**2200**	11.0 UJ	**180**	10.0 U	11.0 UJ	**66.0**	**10.0 J-**	**40.0**	12.0 UJ
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**5500**	**8.80 J-**	**340**	10.0 U	**6.50 J-**	**140**	**20.0 J-**	**76.0**	12.0 UJ
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**550**	11.0 UJ	**45.0**	10.0 U	11.0 UJ	**19.0 J**	12.0 UJ	**9.20 J**	12.0 UJ
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**19000**	**17.0 J-**	**620**	10.0 U	**20.0 J-**	**350**	**40.0 J-**	**160**	12.0 UJ
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**530**	11.0 UJ	**7.40 J**	10.0 U	11.0 U	11.0 U	12.0 UJ	11.0 U	12.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**2200**	**6.20 J-**	**240**	10.0 U	11.0 UJ	**91.0**	**12.0 J-**	**48.0**	12.0 UJ
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	96.0 U	11.0 UJ	9.90 U	10.0 U	11.0 U	11.0 U	12.0 UJ	11.0 U	12.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**17000**	**7.20 J-**	**230**	10.0 U	**16.0 J-**	**180**	**14.0 J-**	**40.0**	12.0 UJ
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**13000**	**13.0 J-**	**480**	10.0 U	**14.0 J-**	**250**	**30.0 J-**	**120**	12.0 UJ

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU05-SS06			DU05-SS07		DU05-SS08		DU06-SS01	
		SAMPLE LOCATION		DU05-SS06	DU05-SS06	DOW-DUP6	DU05-SS07	DU05-SS07	DU05-SS08	DU05-SS08	DU06-SS01	DU06-SS01
		SAMPLE BEGINNING DEPTH (FEET)		1	4.5	1	1	5.5	1	4	1	3
		SAMPLE ENDING DEPTH (FEET)		4.5	10	4.5	5.5	10	4	10	3	10
		SAMPLE DATE		09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	4.70 U	4.00 U	5.10 U	3.80 U	4.20 U	4.20 U	4.10 U	3.80 U	3.50 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,1-Dichloropropene	Solid			2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	4.70 U	4.00 U	5.10 U	3.80 U	4.20 U	4.20 U	4.10 U	3.80 U	3.50 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,2-Dichloroethene	Solid			5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	4.70 U	4.00 U	5.10 U	3.80 U	4.20 U	4.20 U	4.10 U	3.80 U	3.50 U
1,3,5-Trichlorobenzene	Solid			2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
2,2-Dichloropropane	Solid			2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	15.0 U	12.0 U	16.0 U	12.0 U	13.0 U	13.0 U	13.0 U	12.0 U	11.0 U
2-Chloroethyl vinyl ether	Solid			15.0 U	12.0 U	16.0 U	12.0 U	13.0 U	13.0 U	13.0 U	12.0 U	11.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	15.0 U	12.0 U	16.0 U	12.0 U	13.0 U	13.0 U	13.0 U	12.0 U	11.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	15.0 U	12.0 U	16.0 U	12.0 U	13.0 U	13.0 U	13.0 U	12.0 U	11.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	15.0 U	12.0 U	**11.0 J**	12.0 U	13.0 U	13.0 U	**7.00 J**	12.0 U	11.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.90 U	2.50 U	**1.70 J**	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
cis-1,3-Dichloropropene	Solid			2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	3.50 U	3.00 U	3.80 U	2.90 U	3.20 U	3.10 U	3.10 U	2.90 U	2.60 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU05-SS06			DU05-SS07		DU05-SS08		DU06-SS01	
		SAMPLE LOCATION		DU05-SS06	DU05-SS06	DOW-DUP6	DU05-SS07	DU05-SS07	DU05-SS08	DU05-SS08	DU06-SS01	DU06-SS01
		SAMPLE BEGINNING DEPTH (FEET)		1	4.5	1	1	5.5	1	4	1	3
		SAMPLE ENDING DEPTH (FEET)		4.5	10	4.5	5.5	10	4	10	3	10
		SAMPLE DATE		09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Methylcyclohexane	Solid			2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	**22.0 J**	**11.0 J**	26.0 U	19.0 U	21.0 U	**22.0 J**	**20.0 J**	19.0 U	18.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	3.50 U	3.00 U	3.80 U	2.90 U	3.20 U	3.10 U	3.10 U	2.90 U	2.60 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	29.0 U	25.0 U	32.0 U	24.0 U	26.0 U	26.0 U	26.0 U	24.0 U	22.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	29.0 U	25.0 U	32.0 U	24.0 U	26.0 U	26.0 U	26.0 U	24.0 U	22.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	3.50 U	3.00 U	**16.0**	2.90 U	3.20 U	3.10 U	3.10 U	2.90 U	**2.40 J**
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
trans-1,3-Dichloropropene	Solid			2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.90 U	2.50 U	3.20 U	2.40 U	2.60 U	2.60 U	2.60 U	2.40 U	2.20 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	5.80 U	5.00 U	6.40 U	4.80 U	5.30 U	5.20 U	5.10 U	4.80 U	4.40 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	8.80 U	7.40 U	9.60 U	7.20 U	7.90 U	7.80 U	7.70 U	7.20 U	6.60 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU06-SS02		DU06-SS03		DU06-SS04		DU06-SS05		
SAMPLE LOCATION				DU06-SS02	DU06-SS02	DU06-SS03	DU06-SS03	DU06-SS04	DU06-SS04	DU06-SS05	DU06-SS05	DOW-DUP7 (FD)
SAMPLE BEGINNING DEPTH (FEET)				1	3	1	2	1	1.5	1	1.5	1
SAMPLE ENDING DEPTH (FEET)				3	10	2	10	1.5	10	1.5	10	1.5
SAMPLE DATE				09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.430**	NA	**0.460 J**	NA	**0.130 J**	NA	**0.110 J**	NA	**0.200 J**
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Total Organic Carbon	Solid			**2000 J**	NA	**8900**	NA	**16300**	NA	**3700**	NA	**4500**
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	0.0180 U	0.0180 U	0.0140 U	0.0180 U	**0.0320 J**	0.0190 U	0.0160 U	0.0160 U	0.0170 U
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Aluminum	Solid	2022 May EPA Res Soil	77000	**17200**	**18900**	**12600**	**16600**	**17400**	**16900**	**18200**	**17300**	**19200**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.140 J-**	**0.110**	**0.120**	**0.110**	**0.0940 J**	**0.120**	**0.130**	**0.0950**	**0.0980**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**14.3**	**8.46**	**16.5**	**12.0**	**6.62**	**11.2**	**11.6**	**8.09**	**8.20**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**35.1**	**48.7**	**30.6**	**44.2**	**54.3**	**46.6**	**60.3**	**45.2**	**63.0**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.496**	**0.662**	**0.417**	**0.563**	**0.504**	**0.579**	**0.621**	**0.613**	**0.672**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0520 J**	**0.0320 J**	**0.0640 J**	**0.0380 J**	**0.109**	**0.0844**	**0.0470 J**	**0.0310 J**	**0.0350 J**
Calcium	Solid			**2710**	**2940**	**6800**	**3900**	**2650**	**2680**	**3400**	**2920**	**2210**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**41.2 J-**	**40.7**	**27.2**	**38.4**	**31.2**	**36.3**	**38.5**	**36.1**	**41.5**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**15.4**	**12.2**	**12.4**	**11.1**	**9.40**	**12.9**	**13.7**	**10.3**	**12.9**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**21.2**	**17.8**	**20.2**	**17.3**	**12.1**	**19.3**	**18.0**	**16.8**	**14.7**
Iron	Solid	2022 May EPA Res Soil	55000	**36700**	**29200**	**29000**	**29400**	**21700**	**25900**	**31100**	**25400**	**29000**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**12.2 J**	**11.6**	**12.2**	**10.0**	**13.8**	**10.6**	**12.7**	**10.3**	**13.9**
Magnesium	Solid			**8280**	**6750**	**6330**	**6300**	**4770**	**5920**	**5760**	**6420**	**6060**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**711 J**	**367**	**717**	**457**	**339**	**312**	**620**	**367**	**466**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**47.9**	**38.0**	**39.3**	**38.6**	**27.7**	**41.4**	**37.4**	**34.9**	**37.6**
Potassium	Solid			**1360 J-**	**3420**	**1240**	**2820**	**1710**	**2960**	**2720**	**3250**	**2170**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.230 U	0.290 U	0.230 U	0.250 U	**0.200 J**	**0.150 J**	0.300 U	**0.160 J**	**0.170 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0200 J**	**0.0300 J**	**0.0330 J**	**0.0310 J**	**0.0520 J**	**0.0400 J**	**0.0320 J**	**0.0340 J**	**0.0300 J**
Sodium	Solid			**120 J**	**262**	**120**	**244**	**120**	**245**	**190**	**314**	**120**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.0970**	**0.190**	**0.0890**	**0.140**	**0.140**	**0.130**	**0.150**	**0.140**	**0.153**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**28.2**	**35.8**	**19.2**	**34.5**	**28.4**	**34.5**	**36.3**	**33.9**	**36.2**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**57.7 J-**	**57.4**	**49.8**	**55.2**	**44.8**	**50.3**	**53.1**	**53.2**	**49.3**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	8.90 U	41.0 UJ	9.40 U	48.0 UJ	9.00 UJ	44.0 UJ	9.10 U	8.60 U
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	8.90 U	41.0 U	9.40 U	48.0 U	9.00 U	44.0 U	9.10 U	8.60 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	10.0 U	48.0 U	11.0 U	56.0 U	10.0 U	52.0 U	11.0 U	10.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	8.90 U	41.0 U	9.40 U	48.0 U	9.00 U	44.0 U	9.10 U	8.60 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	8.90 U	41.0 U	9.40 U	48.0 U	9.00 U	44.0 U	9.10 U	8.60 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	8.90 U	41.0 U	9.40 U	48.0 U	9.00 U	44.0 U	9.10 U	8.60 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	9.00 U	8.90 U	41.0 U	9.40 U	48.0 U	9.00 U	44.0 U	9.10 U	8.60 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	11.0 U	10.0 U	110 U	12.0 U	12.0 U	10.0 U	10.0 U	10.0 U	11.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	11.0 U	10.0 U	**78.0 J**	12.0 U	12.0 U	10.0 U	**5.80 J**	10.0 U	11.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	11.0 U	10.0 U	**400**	12.0 U	**11.0 J**	10.0 U	**32.0 J**	10.0 U	11.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**5.90 J**	10.0 UJ	**780**	12.0 U	12.0 U	10.0 U	**67.0 J**	10.0 UJ	11.0 U
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**47.0**	**10.0 J-**	**7700**	12.0 U	**120**	10.0 U	**470 J**	10.0 UJ	**12.0 J**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**53.0**	**9.40 J-**	**5300**	**6.00 J**	**140**	10.0 U	**410 J**	10.0 UJ	**7.40 J**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**84.0**	**16.0 J-**	**11000**	**11.0 J**	**270**	10.0 U	**670 J**	**6.80 J-**	**18.0 J**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**26.0 J-**	10.0 UJ	**2200**	12.0 U	**63.0**	10.0 U	**170 J**	10.0 UJ	11.0 U
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**28.0**	**5.50 J-**	**4600**	12.0 U	**87.0**	10.0 U	**260 J**	10.0 UJ	**6.30 J**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**54.0**	**11.0 J-**	**9400**	**7.10 J**	**170**	10.0 U	**470 J**	10.0 UJ	**14.0 J**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**7.40 J**	10.0 UJ	**580**	12.0 U	**15.0 J**	10.0 U	**44.0 J**	10.0 UJ	11.0 U
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**100**	**24.0 J-**	**21000**	**14.0 J**	**440**	10.0 U	**1100 J**	**11.0 J-**	**26.0 J**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	11.0 U	10.0 U	**400**	12.0 U	**14.0 J**	10.0 U	**36.0 J**	10.0 U	11.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**34.0**	**6.00 J-**	**2900**	12.0 U	**85.0**	10.0 U	**220 J**	10.0 UJ	**6.80 J**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	11.0 U	10.0 U	110 U	12.0 U	12.0 U	10.0 U	10.0 U	10.0 U	11.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**36.0**	**9.40 J-**	**12000**	12.0 U	**310**	10.0 U	**520 J**	**5.80 J-**	**8.00 J**
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**82.0**	**18.0 J-**	**19000**	**12.0 J**	**320**	10.0 U	**1000 J**	**9.90 J-**	**22.0 J**

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU06-SS02		DU06-SS03		DU06-SS04		DU06-SS05		
			SAMPLE LOCATION	DU06-SS02	DU06-SS02	DU06-SS03	DU06-SS03	DU06-SS04	DU06-SS04	DU06-SS05	DU06-SS05	DOW-DUP7 (FD)
			SAMPLE BEGINNING DEPTH (FEET)	1	3	1	2	1	1.5	1	1.5	1
			SAMPLE ENDING DEPTH (FEET)	3	10	2	10	1.5	10	1.5	10	1.5
			SAMPLE DATE	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	4.80 UJ	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	2.40 U	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	3.80 UJ	3.90 U	3.30 U	3.80 U	4.10 U	3.70 U	3.80 U	3.80 U	3.70 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 U	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,1-Dichloropropene	Solid			2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	3.80 UJ	3.90 U	3.30 U	3.80 U	4.10 U	3.70 U	3.80 U	3.80 U	3.70 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,2-Dichloroethene	Solid			4.80 UJ	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	3.80 UJ	3.90 U	3.30 U	3.80 U	4.10 U	3.70 U	3.80 U	3.80 U	3.70 U
1,3,5-Trichlorobenzene	Solid			2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
2,2-Dichloropropane	Solid			2.40 U	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	12.0 U	12.0 U	10.0 U	12.0 U	13.0 U	11.0 U	12.0 U	12.0 U	12.0 U
2-Chloroethyl vinyl ether	Solid			12.0 U	12.0 U	10.0 U	12.0 U	13.0 U	11.0 U	12.0 U	12.0 U	12.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	12.0 U	12.0 U	10.0 U	12.0 U	13.0 U	11.0 U	12.0 U	12.0 U	12.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	12.0 UJ	12.0 U	10.0 U	12.0 U	13.0 U	11.0 U	12.0 U	12.0 U	12.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	12.0 U	12.0 U	10.0 U	**7.40 J+**	**29.0**	11.0 U	**8.60 J+**	**7.80 J**	12.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	2.40 U	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
cis-1,3-Dichloropropene	Solid			2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	2.90 U	2.90 U	2.50 U	2.80 U	3.10 U	2.70 U	2.80 U	2.90 U	2.80 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	4.80 UJ	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU06-SS02		DU06-SS03		DU06-SS04		DU06-SS05		
		SAMPLE LOCATION		DU06-SS02	DU06-SS02	DU06-SS03	DU06-SS03	DU06-SS04	DU06-SS04	DU06-SS05	DU06-SS05	DOW-DUP7 (FD)
		SAMPLE BEGINNING DEPTH (FEET)		1	3	1	2	1	1.5	1	1.5	1
		SAMPLE ENDING DEPTH (FEET)		3	10	2	10	1.5	10	1.5	10	1.5
		SAMPLE DATE		09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**									
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	4.80 UJ	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	4.80 UJ	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Methylcyclohexane	Solid			2.40 U	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	19.0 UJ	19.0 U	17.0 U	19.0 U	21.0 U	18.0 U	19.0 U	19.0 U	18.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	2.90 UJ	2.90 U	2.50 U	2.80 U	3.10 U	2.70 U	2.80 U	2.90 U	2.80 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	24.0 U	24.0 U	21.0 U	24.0 U	26.0 U	23.0 U	24.0 U	24.0 U	23.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	4.80 UJ	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	24.0 U	24.0 U	21.0 U	24.0 U	26.0 U	23.0 U	24.0 U	24.0 U	23.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	2.90 UJ	2.90 U	2.50 U	2.80 U	**1.80 J**	2.70 U	2.80 U	**2.40 J**	2.80 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
trans-1,3-Dichloropropene	Solid			2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	2.40 UJ	2.40 U	2.10 U	2.40 U	2.60 U	2.30 U	2.40 U	2.40 U	2.30 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	4.80 UJ	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	4.80 U	4.80 U	4.20 U	4.70 U	5.20 U	4.60 U	4.70 U	4.80 U	4.60 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	7.20 UJ	7.20 U	6.30 U	7.10 U	7.70 U	6.90 U	7.10 U	7.20 U	6.90 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU06-SS06		DU06-SS07			DU06-SS08	
SAMPLE LOCATION				DU06-SS06	DU06-SS06	DU06-SS07	DU06-SS07	DOW-DUP8 (FD)	DU06-SS08	DU06-SS08
SAMPLE BEGINNING DEPTH (FEET)				1	5.5	1	5.5	1	1	5.5
SAMPLE ENDING DEPTH (FEET)				5.5	10	5.5	10	5.5	5.5	10
SAMPLE DATE				09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	**0.0900 J**	NA	**0.140 J**	NA	**0.100 J**	**0.300 J**	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
Total Organic Carbon	Solid			**800**	NA	**19200 J**	NA	**990 J**	**3800**	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	0.0190 U	0.0170 U	0.0190 U	0.0200 U	**0.0110 J**	0.0180 U	0.0190 U
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
Aluminum	Solid	2022 May EPA Res Soil	77000	**14800**	**16200**	**15200**	**15500**	**15200**	**20900**	**17500**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.0990**	**0.100**	**0.0580 J**	**0.0860**	**0.0590 J**	**0.0840 J**	**0.0710**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**7.78**	**16.8**	**1.68 J**	**12.8**	**5.08 J**	**8.22**	**12.3**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**39.2**	**42.1**	**59.1**	**41.8**	**48.8**	**56.6**	**48.9**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.531**	**0.525**	**0.376**	**0.562**	**0.479**	**0.671**	**0.629**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0140 J**	**0.135**	**0.0400 J**	**0.0330 J**	**0.0250 J**	**0.0180 J**	**0.0370 J**
Calcium	Solid			**2100**	**2580**	**1720**	**2600**	**2210**	**2840**	**2800**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**29.8**	**34.0**	**21.6**	**33.2**	**27.1**	**44.5**	**35.4**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**8.57**	**11.9**	**3.12 J**	**10.7**	**7.02 J**	**9.58**	**11.4**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**12.0**	**15.8**	**3.51 J**	**14.6**	**11.4 J**	**15.4**	**16.4**
Iron	Solid	2022 May EPA Res Soil	55000	**24000**	**24500**	**7650 J**	**28700**	**17100 J**	**30000**	**28600**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**8.45**	**9.59**	**8.91**	**10.1**	**9.41**	**9.53**	**10.9**
Magnesium	Solid			**4510**	**5850**	**1840 J**	**5470**	**3780 J**	**7050**	**6290**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**251**	**242**	**55.2 J**	**414**	**164 J**	**285**	**376**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**27.5**	**35.1**	**10.8 J**	**32.6**	**22.5 J**	**40.2**	**33.6**
Potassium	Solid			**1590**	**2720**	**1740**	**2770**	**1400**	**3840**	**3230**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.250 U	**0.140 J**	**0.220 J**	0.200 U	0.280 U	0.320 U	**0.160 J**
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0170 J**	**0.0360 J**	**0.0620 J**	**0.0290 J**	**0.0370 J**	**0.0390 J**	**0.0370 J**
Sodium	Solid			**150**	**241**	**92.0**	**262**	**120**	**221**	**265**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.110**	**0.140**	**0.247 J**	**0.120**	**0.130 J**	**0.180**	**0.145**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**29.3**	**32.2**	**18.8**	**34.6**	**25.1**	**36.4**	**35.0**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**35.7**	**52.6**	**23.6**	**47.8**	**34.3**	**65.6**	**52.2**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	8.90 U	9.40 UJ	9.20 U	9.00 UJ	9.00 U	9.50 UJ	9.30 UJ
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	8.90 U	9.40 UJ	9.20 U	9.00 U	9.00 U	9.50 U	9.30 U
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	10.0 U	11.0 UJ	11.0 U	11.0 U	10.0 U	11.0 U	11.0 U
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	8.90 U	9.40 UJ	9.20 U	9.00 U	9.00 U	9.50 U	9.30 U
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	8.90 U	9.40 UJ	9.20 U	9.00 U	9.00 U	9.50 U	9.30 U
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	8.90 U	9.40 UJ	9.20 U	9.00 U	9.00 U	9.50 U	9.30 U
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	8.90 U	9.40 UJ	9.20 U	9.00 U	9.00 U	9.50 U	9.30 U
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	11.0 U	12.0 UJ	12.0 U	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	11.0 U	12.0 UJ	**14.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	11.0 U	12.0 UJ	**16.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	11.0 U	12.0 UJ	**32.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	11.0 U	12.0 UJ	**9.70 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	11.0 U	12.0 UJ	**11.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	11.0 U	12.0 UJ	**20.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	11.0 U	12.0 UJ	12.0 U	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	11.0 U	12.0 UJ	**34.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	11.0 U	12.0 UJ	**14.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	11.0 U	12.0 U	12.0 U	11.0 U	11.0 U	11.0 U	12.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	11.0 U	12.0 UJ	**12.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	11.0 U	12.0 UJ	**39.0 J**	11.0 UJ	11.0 U	11.0 UJ	12.0 UJ

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU06-SS06		DU06-SS07			DU06-SS08	
		SAMPLE LOCATION		DU06-SS06	DU06-SS06	DU06-SS07	DU06-SS07	DOW-DUP8 (FD)	DU06-SS08	DU06-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1	5.5	1	5.5	1	1	5.5
		SAMPLE ENDING DEPTH (FEET)		5.5	10	5.5	10	5.5	5.5	10
		SAMPLE DATE		09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	4.70 U	3.80 U	3.90 U	3.90 U	4.20 U	4.00 U	4.90 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,1-Dichloropropene	Solid			3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	4.70 U	3.80 U	3.90 U	3.90 U	4.20 U	4.00 U	4.90 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,2-Dichloroethene	Solid			5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	4.70 U	3.80 U	3.90 U	3.90 U	4.20 U	4.00 U	4.90 U
1,3,5-Trichlorobenzene	Solid			3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
2,2-Dichloropropane	Solid			3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	**12.0 J**	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	15.0 U
2-Chloroethyl vinyl ether	Solid			15.0 U	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	15.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	15.0 U	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	15.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	15.0 U	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	15.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	**130**	12.0 U	12.0 U	12.0 U	13.0 U	12.0 U	15.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
cis-1,3-Dichloropropene	Solid			3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	3.60 U	2.90 U	3.00 U	2.90 U	3.20 U	3.00 U	3.60 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				DU06-SS06		DU06-SS07			DU06-SS08	
		SAMPLE LOCATION		DU06-SS06	DU06-SS06	DU06-SS07	DU06-SS07	DOW-DUP8 (FD)	DU06-SS08	DU06-SS08
		SAMPLE BEGINNING DEPTH (FEET)		1	5.5	1	5.5	1	1	5.5
		SAMPLE ENDING DEPTH (FEET)		5.5	10	5.5	10	5.5	5.5	10
		SAMPLE DATE		09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23	09-Aug-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**							
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Methylcyclohexane	Solid			3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	24.0 U	19.0 U	20.0 U	20.0 U	21.0 U	20.0 U	24.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	3.60 U	2.90 U	3.00 U	2.90 U	3.20 U	3.00 U	3.60 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	**9.30**	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	30.0 U	24.0 U	25.0 U	24.0 U	26.0 U	25.0 U	30.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	30.0 U	24.0 U	25.0 U	24.0 U	26.0 U	25.0 U	30.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	3.60 U	2.90 U	3.00 U	**2.00 J**	3.20 U	3.00 U	3.60 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
trans-1,3-Dichloropropene	Solid			3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	3.00 U	2.40 U	2.50 U	2.40 U	2.60 U	2.50 U	3.00 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	5.90 U	4.80 U	4.90 U	4.90 U	5.30 U	5.00 U	6.10 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	8.90 U	7.20 U	7.40 U	7.30 U	7.90 U	7.50 U	9.10 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				SB-201			SB-202		SB-203		
SAMPLE LOCATION				SB-201	SB-201	DOW-DUP9 (FD)	SB-202	SB-202	SB-203	SB-203	SB-203
SAMPLE BEGINNING DEPTH (FEET)				4	5	5	4	5	2	4	5
SAMPLE ENDING DEPTH (FEET)				5	6	6	5	6	4	5	6
SAMPLE DATE				11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23
CR (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexavalent Chromium	Solid	2022 May EPA Res Soil	0.3	NA	NA	NA	NA	NA	NA	NA	NA
GENCHEM (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Total Organic Carbon	Solid			NA	NA	NA	NA	NA	NA	NA	NA
HG (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Mercury	Solid	2018 EPA Region IV Eco SLs	0.013	**0.0100 J**	0.0190 U	0.0190 U	0.0180 U	**0.00920 J**	**0.0100 J**	0.0180 U	**0.0110 J**
METAL (MG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Aluminum	Solid	2022 May EPA Res Soil	77000	**14800**	**18500**	**11700**	**14900**	**18500**	**15900**	**12300**	**20100**
Antimony	Solid	2018 EPA Region IV Eco SLs	0.27	**0.110**	**0.160 J-**	**0.140**	**0.170**	**0.150**	**0.190**	**0.160**	**0.180**
Arsenic	Solid	2022 May EPA Res Soil	0.68	**6.04**	**13.7 J-**	**9.22**	**12.5**	**11.8**	**8.60**	**7.54**	**31.3**
Barium	Solid	2018 EPA Region IV Eco SLs	110	**34.5**	**48.5**	**22.7 J**	**35.5**	**46.4 J**	**43.2**	**28.4**	**54.6**
Beryllium	Solid	2018 EPA Region IV Eco SLs	2.5	**0.449**	**0.785**	**0.329 J**	**0.506**	**0.684 J**	**0.531**	**0.359**	**0.768**
Cadmium	Solid	2018 EPA Region IV Eco SLs	0.36	**0.0780 J**	**0.0360 J**	**0.0460 J**	**0.0550 J**	**0.0600 J**	**0.0640 J**	**0.0920 J**	**0.0600 J**
Calcium	Solid			**2200**	**2570**	**4170**	**2400**	**2970**	**2340**	**16000**	**5970**
Chromium	Solid	2018 EPA Region IV Eco SLs	23	**39.6**	**39.7**	**31.8**	**31.6**	**41.8**	**35.2**	**31.4**	**45.2**
Cobalt	Solid	2018 EPA Region IV Eco SLs	13	**13.0**	**12.4**	**11.3**	**14.4**	**14.2**	**15.1**	**11.5**	**17.1**
Copper	Solid	2018 EPA Region IV Eco SLs	28	**18.5**	**23.9 J-**	**19.2**	**31.0**	**26.1**	**22.5**	**23.0**	**23.6**
Iron	Solid	2022 May EPA Res Soil	55000	**25100**	**33500**	**25700**	**28200**	**33300**	**30700**	**24000**	**37700**
Lead	Solid	2018 EPA Region IV Eco SLs	11	**10.4**	**14.0 J-**	**9.31**	**12.5**	**12.8**	**14.2**	**20.3**	**14.0**
Magnesium	Solid			**6230**	**6490**	**6650**	**6170**	**6720**	**6410**	**6200**	**7150**
Manganese	Solid	2018 EPA Region IV Eco SLs	220	**540**	**400**	**516**	**641**	**510**	**388**	**500**	**617**
Nickel	Solid	2018 EPA Region IV Eco SLs	38	**35.1**	**41.3**	**41.5**	**41.3**	**44.8**	**43.9**	**38.9**	**46.9**
Potassium	Solid			**2080**	**3020**	**1050 J**	**1940**	**3000 J**	**2090**	**1160**	**3380**
Selenium	Solid	2018 EPA Region IV Eco SLs	0.52	0.310 U	0.210 U	0.200 U	0.250 U	0.240 U	0.240 U	0.370 U	0.260 U
Silver	Solid	2018 EPA Region IV Eco SLs	4.2	**0.0350 J**	**0.0250 J**	**0.0210 J**	**0.0310 J**	**0.0300 J**	**0.0280 J**	**0.190**	**0.0320 J**
Sodium	Solid			**180**	**255**	**100**	**130**	**166**	**140**	**120**	**211**
Thallium	Solid	2018 EPA Region IV Eco SLs	0.05	**0.140**	**0.150**	**0.0670 J**	**0.110**	**0.150 J**	**0.100**	**0.0620 J**	**0.150**
Vanadium	Solid	2018 EPA Region IV Eco SLs	7.8	**26.9**	**39.2**	**17.6 J**	**24.9**	**36.6 J**	**27.9**	**17.8**	**42.7**
Zinc	Solid	2018 EPA Region IV Eco SLs	46	**54.0**	**61.9**	**47.2**	**52.4**	**66.6**	**58.4**	**52.0**	**68.6**
PCB (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
PCB-1016 (Aroclor 1016)	Solid	2018 EPA Region IV Eco SLs	41	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	Solid	2018 EPA Region IV Eco SLs	41	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	Solid	2018 EPA Region IV Eco SLs	41	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	Solid	2018 EPA Region IV Eco SLs	41	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	Solid	2018 EPA Region IV Eco SLs	41	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	Solid	2018 EPA Region IV Eco SLs	41	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	Solid	2018 EPA Region IV Eco SLs	41	NA	NA	NA	NA	NA	NA	NA	NA
SVOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
2-Methylnaphthalene	Solid	2018 EPA Region IV Eco SLs	110	**16.0 J**	12.0 U	10.0 U	11.0 U	12.0 U	**9.60 J**	**28.0 J**	12.0 U
Acenaphthene	Solid	2018 EPA Region IV Eco SLs	250	**78.0**	12.0 U	10.0 U	11.0 U	12.0 U	**65.0**	**290**	12.0 U
Acenaphthylene	Solid	2018 EPA Region IV Eco SLs	340	11.0 U	12.0 U	10.0 U	11.0 U	12.0 U	11.0 U	11.0 U	12.0 U
Anthracene	Solid	2018 EPA Region IV Eco SLs	1.5	**310**	12.0 UJ-	10.0 U	**6.20 J**	12.0 U	**370**	**1600 J**	12.0 U
Benzo(a)anthracene	Solid	2018 EPA Region IV Eco SLs	730	**1800 J**	12.0 UJ-	**22.0 J**	**19.0 J**	**9.30 J**	**4000**	**10000**	**17.0 J**
Benzo(a)pyrene	Solid	2022 May EPA Res Soil	110	**1700 J**	12.0 UJ-	**16.0 J**	**19.0 J**	**7.90 J**	**4000**	**10000**	**19.0 J**
Benzo(b)fluoranthene	Solid	2022 May EPA Res Soil	1100	**2400**	12.0 UJ-	**29.0 J**	11.0 U	**13.0 J**	**5900**	**14000**	**24.0**
Benzo(g,h,i)perylene	Solid	2018 EPA Region IV Eco SLs	70	**1200 J**	**6.40 J-**	**19.0 J**	**23.0**	**8.60 J**	**2300**	**6100**	**44.0**
Benzo(k)fluoranthene	Solid	2018 EPA Region IV Eco SLs	130	**1100 J**	12.0 UJ-	**11.0 J**	11.0 U	12.0 U	**1800**	**4900**	**9.00 J**
Chrysene	Solid	2018 EPA Region IV Eco SLs	3100	**1700 J**	12.0 UJ-	**24.0 J**	**20.0 J**	**10.0 J**	**3500**	**9900**	**16.0 J**
Dibenz(a,h)anthracene	Solid	2018 EPA Region IV Eco SLs	60	**300**	12.0 UJ-	10.0 U	11.0 U	12.0 U	**430**	**980 J**	**11.0 J**
Fluoranthene	Solid	2018 EPA Region IV Eco SLs	10000	**3300**	**6.10 J-**	**34.0**	**31.0**	**32.0**	**7400**	**21000**	**23.0 J**
Fluorene	Solid	2018 EPA Region IV Eco SLs	3700	**160**	12.0 U	10.0 U	11.0 U	12.0 U	**150**	**660 J**	12.0 U
Indeno(1,2,3-c,d)pyrene	Solid	2018 EPA Region IV Eco SLs	80	**340**	**14.0 J-**	**33.0 J**	**40.0**	**17.0 J**	11.0 U	11.0 U	**67.0**
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	**18.0 J**	12.0 U	10.0 U	11.0 U	12.0 U	**14.0 J**	**27.0 J**	12.0 U
Phenanthrene	Solid	2018 EPA Region IV Eco SLs	5500	**1700 J**	12.0 UJ-	**9.40 J**	**8.60 J**	**28.0 J**	**1200**	**5600**	12.0 U
Pyrene	Solid	2018 EPA Region IV Eco SLs	10000	**3000**	12.0 UJ-	**23.0**	**19.0 J**	**14.0 J**	**7100**	**19000**	**16.0 J**

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				SB-201			SB-202		SB-203		
SAMPLE LOCATION				SB-201	SB-201	DOW-DUP9 (FD)	SB-202	SB-202	SB-203	SB-203	SB-203
SAMPLE BEGINNING DEPTH (FEET)				4	5	5	4	5	2	4	5
SAMPLE ENDING DEPTH (FEET)				5	6	6	5	6	4	5	6
SAMPLE DATE				11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
1,1,1,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	70	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,1,1-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	40	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,1,2,2-Tetrachloroethane	Solid	2018 EPA Region IV Eco SLs	127	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Solid	2022 May EPA Res Soil	6700000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,1,2-Trichloroethane	Solid	2018 EPA Region IV Eco SLs	320	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,1-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	140	2.50 U	3.40 U	220 U	190 U	3.50 U	260 U	310 U	4.00 U
1,1-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,1-Dichloropropene	Solid			1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2,3-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	20000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2,3-Trichloropropane	Solid	2022 May EPA Res Soil	5.1	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2,4-Trichlorobenzene	Solid	2018 EPA Region IV Eco SLs	270	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2,4-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	90	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2-Dibromo-3-chloropropane	Solid	2022 May EPA Res Soil	5.3	2.50 U	3.40 U	220 U	190 U	3.50 U	260 U	310 U	4.00 U
1,2-Dibromoethane (EDB)	Solid	2022 May EPA Res Soil	36	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	90	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2-Dichloroethane	Solid	2018 EPA Region IV Eco SLs	400	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,2-Dichloroethene	Solid			3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
1,2-Dichloropropane	Solid	2018 EPA Region IV Eco SLs	280	2.50 U	3.40 U	220 U	190 U	3.50 U	260 U	310 U	4.00 U
1,3,5-Trichlorobenzene	Solid			1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,3,5-Trimethylbenzene	Solid	2018 EPA Region IV Eco SLs	160	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,3-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	80	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,3-Dichloropropane	Solid	2022 May EPA Res Soil	1600000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
1,4-Dichlorobenzene	Solid	2018 EPA Region IV Eco SLs	880	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
2,2-Dichloropropane	Solid			1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
2-Butanone (MEK)	Solid	2018 EPA Region IV Eco SLs	1000	7.70 U	11.0 U	670 U	610 U	11.0 U	820 U	970 U	13.0 U
2-Chloroethyl vinyl ether	Solid			7.70 U	11.0 U	670 U	610 U	11.0 U	820 U	970 U	13.0 U
2-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
2-Hexanone	Solid	2018 EPA Region IV Eco SLs	360	7.70 U	11.0 U	670 U	610 U	11.0 U	820 U	970 U	13.0 U
4-Chlorotoluene	Solid	2022 May EPA Res Soil	1600000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
4-Methyl-2-pentanone (MIBK)	Solid	2022 May EPA Res Soil	33000000	7.70 U	11.0 U	**1300 J**	**720 J**	11.0 U	820 U	**1100 J**	13.0 U
Acetone	Solid	2018 EPA Region IV Eco SLs	40	**7.10 J**	11.0 U	670 U	610 U	11.0 U	820 U	970 U	13.0 U
Benzene	Solid	2018 EPA Region IV Eco SLs	120	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Bromobenzene	Solid	2022 May EPA Res Soil	290000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Bromochloromethane	Solid	2022 May EPA Res Soil	150000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Bromodichloromethane	Solid	2022 May EPA Res Soil	290	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Bromoform	Solid	2018 EPA Region IV Eco SLs	70	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Bromomethane	Solid	2018 EPA Region IV Eco SLs	2	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Carbon disulfide	Solid	2018 EPA Region IV Eco SLs	5	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Carbon Tetrachloride	Solid	2018 EPA Region IV Eco SLs	50	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Chlorobenzene	Solid	2018 EPA Region IV Eco SLs	2400	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Chloroethane	Solid	2022 May EPA Res Soil	5400000	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Chloroform	Solid	2018 EPA Region IV Eco SLs	50	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Chloromethane	Solid	2022 May EPA Res Soil	110000	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
cis-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
cis-1,3-Dichloropropene	Solid			1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Cumene	Solid	2018 EPA Region IV Eco SLs	40	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Cyclohexane	Solid	2022 May EPA Res Soil	6500000	1.80 U	2.60 U	160 U	140 U	2.60 U	200 U	230 U	3.00 U
Dibromochloromethane	Solid	2022 May EPA Res Soil	8300	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Dibromomethane	Solid	2022 May EPA Res Soil	24000	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Dichlorodifluoromethane	Solid	2022 May EPA Res Soil	87000	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Diethyl ether (Ethyl ether)	Solid	2022 May EPA Res Soil	16000000	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Ethyl methacrylate	Solid	2022 May EPA Res Soil	1800000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Ethylbenzene	Solid	2018 EPA Region IV Eco SLs	270	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U

Table 7-2
Comparison of Subsurface Soil Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

				SB-201			SB-202		SB-203		
SAMPLE LOCATION				SB-201	SB-201	DOW-DUP9 (FD)	SB-202	SB-202	SB-203	SB-203	SB-203
SAMPLE BEGINNING DEPTH (FEET)				4	5	5	4	5	2	4	5
SAMPLE ENDING DEPTH (FEET)				5	6	6	5	6	4	5	6
SAMPLE DATE				11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23	11-Oct-23
VOC (UG/KG)	**Matrix**	**Screening Limit Type**	**Limit**								
Hexachlorobutadiene	Solid	2018 EPA Region IV Eco SLs	9	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
m,p-Xylene	Solid	2018 EPA Region IV Eco SLs	100	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Methyl acetate	Solid	2022 May EPA Res Soil	78000000	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Methyl tert-butyl ether (MTBE)	Solid	2022 May EPA Res Soil	47000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Methylcyclohexane	Solid			1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Methylene chloride	Solid	2018 EPA Region IV Eco SLs	210	**7.20 J**	17.0 U	1100 U	970 U	18.0 U	1300 U	1500 U	20.0 U
Naphthalene	Solid	2018 EPA Region IV Eco SLs	160	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
n-Butylbenzene	Solid	2022 May EPA Res Soil	3900000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
n-Propylbenzene	Solid	2022 May EPA Res Soil	3800000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
o-Xylene	Solid	2022 May EPA Res Soil	640000	1.80 U	2.60 U	160 U	140 U	2.60 U	200 U	230 U	3.00 U
p-Cymene (p-Isopropyltoluene)	Solid	2018 EPA Region IV Eco SLs	180	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
sec-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Styrene	Solid	2018 EPA Region IV Eco SLs	1200	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
tert-Butyl alcohol	Solid	2022 May EPA Res Soil	1400000	15.0 U	21.0 U	1300 U	1200 U	22.0 U	1600 U	1900 U	25.0 U
tert-Butylbenzene	Solid	2022 May EPA Res Soil	7800000	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Tetrachloroethene (PCE)	Solid	2018 EPA Region IV Eco SLs	60	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Tetrahydrofuran	Solid	2022 May EPA Res Soil	18000000	15.0 U	21.0 U	1300 U	1200 U	22.0 U	1600 U	1900 U	25.0 U
Toluene	Solid	2018 EPA Region IV Eco SLs	150	1.80 U	2.60 U	160 U	140 U	**2.30 J+**	200 U	230 U	3.00 U
Total, 1,3-Dichloropropene	Solid	2022 May EPA Res Soil	1800	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
trans-1,2-Dichloroethene	Solid	2018 EPA Region IV Eco SLs	40	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
trans-1,3-Dichloropropene	Solid			1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Trichloroethene (TCE)	Solid	2018 EPA Region IV Eco SLs	60	1.50 U	2.10 U	130 U	120 U	2.20 U	160 U	190 U	2.50 U
Trichlorofluoromethane	Solid	2018 EPA Region IV Eco SLs	16400	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Vinyl acetate	Solid	2022 May EPA Res Soil	910000	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Vinyl chloride	Solid	2018 EPA Region IV Eco SLs	30	3.10 U	4.30 U	270 U	240 U	4.40 U	330 U	390 U	5.10 U
Xylenes, Total	Solid	2018 EPA Region IV Eco SLs	100	4.60 U	6.40 U	400 U	360 U	6.60 U	490 U	580 U	7.60 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

UJ - The analyte was not detected; however, the result is estimated due to discrepancies in

+ / - - result is likely to have a positive or negative bias.

FD - Field Duplicate

- Micrograms per Liter

MG/KG - Milligrams per Kilogram

UG/KG - Micrograms per Kilogram

Table 7-3
Comparison of Drain Line Water Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			SAMPLE LOCATION	SB-201	SB-202	SB-203	SB-204
			SAMPLE ID	AQ-201	AQ-202	AQ-203	AQ-204
			SAMPLE DATE	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23
HG (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
Mercury	Aqueous	2022 May EPA Tapwater	0.63	0.100 U	0.100 U	0.100 U	0.100 U
HG (Diss) (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
Mercury, Dissolved	Aqueous	2022 May EPA Tapwater	0.63	0.100 U	0.100 U	0.100 U	0.100 U
METAL (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
Aluminum	Aqueous	2022 May EPA Tapwater	20000	**1400**	**38800**	**2790**	**100**
Antimony	Aqueous	2022 May EPA MCL	6	**0.330 J**	**2.20**	**0.360 J**	0.500 U
Arsenic	Aqueous	2022 May EPA Tapwater	0.052	5.00 U	**45.1**	**3.00 J**	5.00 U
Barium	Aqueous	2022 May EPA MCL	2000	**14.5**	**140**	**25.1**	**11.0**
Beryllium	Aqueous	2022 May EPA MCL	4	0.200 U	**1.20**	0.200 U	0.200 U
Cadmium	Aqueous	2022 May EPA Tapwater	1.8	**0.230 J**	**0.460 J**	**0.320 J**	0.200 U
Calcium	Aqueous			**27500**	**113000**	**57800**	**53300**
Chromium	Aqueous	2022 May EPA MCL	100	**4.90 J**	**81.7**	**6.00**	4.00 U
Cobalt	Aqueous	2022 May EPA Tapwater	6	**1.83**	**38.2**	**2.19**	0.300 U
Copper	Aqueous	2022 May EPA Tapwater	800	**6.50**	**100**	**6.70**	**1.00 J**
Iron	Aqueous	2022 May EPA Tapwater	14000	**2010**	**62400**	**3590**	**280**
Lead	Aqueous	2022 May EPA Tapwater	15	**3.12**	**47.6**	**5.79**	**0.310 J**
Magnesium	Aqueous			**3060**	**19900**	**5600**	**4370**
Manganese	Aqueous	2022 May EPA Tapwater	430	**84.3**	**2100**	**500**	**111**
Nickel	Aqueous	2022 May EPA Tapwater	390	**4.80**	**104**	**6.32**	**0.910 J**
Potassium	Aqueous			**2160**	**7980**	**3350**	**1500**
Selenium	Aqueous	2022 May EPA MCL	50	3.00 U	3.00 U	3.00 U	3.00 U
Silver	Aqueous	2022 May EPA Tapwater	94	0.400 U	0.400 U	0.400 U	0.400 U
Sodium	Aqueous			**7160**	**8670**	**14200**	**13800**
Thallium	Aqueous	2022 May EPA Tapwater	0.2	**0.260 J**	**0.500 J**	0.400 U	0.400 U
Vanadium	Aqueous	2022 May EPA Tapwater	86	**3.10 J**	**58.6**	**4.60 J**	4.00 U
Zinc	Aqueous	2022 May EPA Tapwater	6000	**17.0**	**139**	**16.0**	8.00 U
METAL (Diss) (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
Aluminum, Dissolved	Aqueous	2022 May EPA Tapwater	20000	**21.0 J**	**59.0 J**	40.0 U	40.0 U
Antimony, Dissolved	Aqueous	2022 May EPA MCL	6	0.500 U	**0.290 J**	0.500 U	0.500 U
Arsenic, Dissolved	Aqueous	2022 May EPA Tapwater	0.052	5.00 U	5.00 U	5.00 U	5.00 U
Barium, Dissolved	Aqueous	2022 May EPA MCL	2000	**32.1**	**90.3**	**37.0**	**29.5**
Beryllium, Dissolved	Aqueous	2022 May EPA MCL	4	0.200 U	0.200 U	0.200 U	0.200 U
Cadmium, Dissolved	Aqueous	2022 May EPA Tapwater	1.8	0.200 U	0.200 U	0.200 U	0.200 U
Calcium, Dissolved	Aqueous			**26800**	**111000**	**56900**	**54300**
Chromium, Dissolved	Aqueous	2022 May EPA MCL	100	4.00 U	4.00 U	4.00 U	4.00 U
Cobalt, Dissolved	Aqueous	2022 May EPA Tapwater	6	0.300 U	**0.870 J**	0.300 U	0.300 U
Copper, Dissolved	Aqueous	2022 May EPA Tapwater	800	**3.00**	2.00 U	**1.40 J**	**1.00 J**
Iron, Dissolved	Aqueous	2022 May EPA Tapwater	14000	60.0 U	**62.0 J**	60.0 U	60.0 U
Lead, Dissolved	Aqueous	2022 May EPA Tapwater	15	0.500 U	0.500 U	0.500 U	0.500 U
Magnesium, Dissolved	Aqueous			**2490**	**5550**	**4760**	**4380**

Table 7-3
Comparison of Drain Line Water Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			SAMPLE LOCATION	SB-201	SB-202	SB-203	SB-204
			SAMPLE ID	AQ-201	AQ-202	AQ-203	AQ-204
			SAMPLE DATE	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23
METAL (Diss) (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
Manganese, Dissolved	Aqueous	2022 May EPA Tapwater	430	**8.01**	**314**	**26.9**	**22.6**
Nickel, Dissolved	Aqueous	2022 May EPA Tapwater	390	**1.20 J**	**2.90**	**0.790 J**	**0.700 J**
Potassium, Dissolved	Aqueous			**1800**	**2610**	**2560**	**1400**
Selenium, Dissolved	Aqueous	2022 May EPA MCL	50	3.00 U	3.00 U	3.00 U	3.00 U
Silver, Dissolved	Aqueous	2022 May EPA Tapwater	94	0.400 U	0.400 U	0.400 U	0.400 U
Sodium, Dissolved	Aqueous			**7790**	**8320**	**14900**	**14500**
Thallium, Dissolved	Aqueous	2022 May EPA Tapwater	0.2	0.400 U	0.400 U	0.400 U	0.400 U
Vanadium, Dissolved	Aqueous	2022 May EPA Tapwater	86	4.00 U	4.00 U	4.00 U	4.00 U
Zinc, Dissolved	Aqueous	2022 May EPA Tapwater	6000	**23.0**	**28.0**	**20.0**	**22.0**
VOC (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
1,1,1,2-Tetrachloroethane	Aqueous	2022 May EPA Tapwater	0.57	0.500 U	5.00 U	0.500 U	0.500 U
1,1,1-Trichloroethane	Aqueous	2022 May EPA MCL	200	0.500 U	5.00 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	Aqueous	2022 May EPA Tapwater	0.076	1.00 U	10.0 U	1.00 U	1.00 U
1,1,2-Trichloro-1,2,2-trifluoroethane	Aqueous	2022 May EPA Tapwater	10000	0.750 U	7.50 U	0.750 U	0.750 U
1,1,2-Trichloroethane	Aqueous	2022 May EPA Tapwater	0.28	0.750 U	7.50 U	0.750 U	0.750 U
1,1-Dichloroethane	Aqueous	2022 May EPA Tapwater	2.8	0.500 U	5.00 U	0.500 U	0.500 U
1,1-Dichloroethene	Aqueous	2022 May EPA MCL	7	0.750 U	7.50 U	0.750 U	0.750 U
1,1-Dichloropropene	Aqueous			0.500 U	5.00 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	Aqueous	2022 May EPA Tapwater	7	0.750 U	7.50 U	0.750 U	0.750 U
1,2,3-Trichloropropane	Aqueous	2022 May EPA Tapwater	0.00075	0.500 U	5.00 U	0.500 U	0.500 U
1,2,4-Trichlorobenzene	Aqueous	2022 May EPA Tapwater	1.2	0.750 U	7.50 U	0.750 U	0.750 U
1,2,4-Trimethylbenzene	Aqueous	2022 May EPA Tapwater	56	0.500 U	5.00 U	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	Aqueous	2022 May EPA Tapwater	0.00033	1.00 U	10.0 U	1.00 U	1.00 U
1,2-Dibromoethane (EDB)	Aqueous	2022 May EPA Tapwater	0.0075	0.500 U	5.00 U	0.500 U	0.500 U
1,2-Dichlorobenzene	Aqueous	2022 May EPA Tapwater	300	0.500 U	5.00 U	0.500 U	0.500 U
1,2-Dichloroethane	Aqueous	2022 May EPA Tapwater	0.17	0.500 U	5.00 U	0.500 U	0.500 U
1,2-Dichloroethene	Aqueous			1.00 U	10.0 U	1.00 U	1.00 U
1,2-Dichloropropane	Aqueous	2022 May EPA Tapwater	0.85	0.500 U	5.00 U	0.500 U	0.500 U
1,3,5-Trichlorobenzene	Aqueous			0.500 U	5.00 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	Aqueous	2022 May EPA Tapwater	60	0.500 U	5.00 U	0.500 U	0.500 U
1,3-Dichlorobenzene	Aqueous			0.750 U	7.50 U	0.750 U	0.750 U
1,3-Dichloropropane	Aqueous	2022 May EPA Tapwater	370	0.500 U	5.00 U	0.500 U	0.500 U
1,4-Dichlorobenzene	Aqueous	2022 May EPA Tapwater	0.48	0.500 U	5.00 U	0.500 U	0.500 U
2,2-Dichloropropane	Aqueous			0.500 U	5.00 U	0.500 U	0.500 U
2-Butanone (MEK)	Aqueous	2022 May EPA Tapwater	5600	3.00 U	30.0 U	3.00 U	3.00 U
2-Chloroethyl vinyl ether	Aqueous			2.50 U	25.0 U	2.50 U	2.50 U
2-Chlorotoluene	Aqueous	2022 May EPA Tapwater	240	0.500 U	5.00 U	0.500 U	0.500 U
2-Hexanone	Aqueous	2022 May EPA Tapwater	38	4.00 U	40.0 U	4.00 U	4.00 U
4-Chlorotoluene	Aqueous	2022 May EPA Tapwater	250	0.750 U	7.50 U	0.750 U	0.750 U

Table 7-3
Comparison of Drain Line Water Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			SAMPLE LOCATION	SB-201	SB-202	SB-203	SB-204
			SAMPLE ID	AQ-201	AQ-202	AQ-203	AQ-204
			SAMPLE DATE	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23
VOC (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
4-Methyl-2-pentanone	Aqueous	2022 May EPA Tapwater	6300	4.00 U	**550**	4.00 U	4.00 U
Acetone	Aqueous	2022 May EPA Tapwater	18000	5.00 U	50.0 U	5.00 U	**2.60 J+**
Benzene	Aqueous	2022 May EPA Tapwater	0.46	0.750 U	7.50 U	0.750 U	0.750 U
Bromobenzene	Aqueous	2022 May EPA Tapwater	62	0.500 U	5.00 U	0.500 U	0.500 U
Bromochloromethane	Aqueous	2022 May EPA Tapwater	83	0.500 U	5.00 U	0.500 U	0.500 U
Bromodichloromethane	Aqueous	2022 May EPA Tapwater	0.13	0.750 U	7.50 U	0.750 U	0.750 U
Bromoform	Aqueous	2022 May EPA Tapwater	3.3	0.500 U	5.00 U	0.500 U	0.500 U
Bromomethane	Aqueous	2022 May EPA Tapwater	7.5	1.00 U	10.0 U	1.00 U	1.00 U
Carbon disulfide	Aqueous	2022 May EPA Tapwater	810	0.500 U	5.00 U	0.500 U	0.500 U
Carbon Tetrachloride	Aqueous	2022 May EPA Tapwater	0.46	0.500 U	5.00 U	0.500 U	0.500 U
Chlorobenzene	Aqueous	2022 May EPA Tapwater	78	0.500 U	5.00 U	0.500 U	0.500 U
Chloroethane	Aqueous	2022 May EPA Tapwater	8300	1.50 U	15.0 U	1.50 U	1.50 U
Chloroform	Aqueous	2022 May EPA Tapwater	0.22	0.750 U	7.50 U	0.750 U	0.750 U
Chloromethane	Aqueous	2022 May EPA Tapwater	190	1.00 U	10.0 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	Aqueous	2022 May EPA Tapwater	36	0.500 U	5.00 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	Aqueous			0.500 U	5.00 U	0.500 U	0.500 U
Cumene	Aqueous	2022 May EPA Tapwater	450	0.500 U	5.00 U	0.500 U	0.500 U
Cyclohexane	Aqueous	2022 May EPA Tapwater	13000	0.750 U	7.50 U	0.750 U	0.750 U
Dibromochloromethane	Aqueous	2022 May EPA Tapwater	0.87	0.750 U	7.50 U	0.750 U	0.750 U
Dibromomethane	Aqueous	2022 May EPA Tapwater	8.3	1.00 U	10.0 U	1.00 U	1.00 U
Dichlorodifluoromethane	Aqueous	2022 May EPA Tapwater	200	1.00 U	10.0 U	1.00 U	1.00 U
Diethyl ether (Ethyl ether)	Aqueous	2022 May EPA Tapwater	3900	1.00 U	10.0 U	1.00 U	1.00 U
Ethyl methacrylate	Aqueous	2022 May EPA Tapwater	630	0.750 U	7.50 U	0.750 U	0.750 U
Ethylbenzene	Aqueous	2022 May EPA Tapwater	1.5	0.500 U	5.00 U	0.500 U	0.500 U
Hexachlorobutadiene	Aqueous	2022 May EPA Tapwater	0.14	1.50 U	15.0 U	1.50 U	1.50 U
m,p-Xylene	Aqueous			1.50 U	15.0 U	1.50 U	1.50 U
Methyl acetate	Aqueous	2022 May EPA Tapwater	20000	1.50 U	15.0 U	1.50 U	1.50 U
Methyl tert-butyl ether	Aqueous	2022 May EPA Tapwater	14	0.750 U	7.50 U	0.750 U	0.750 U
Methylcyclohexane	Aqueous			0.750 U	7.50 U	0.750 U	0.750 U
Methylene chloride	Aqueous	2022 May EPA MCL	5	2.50 U	25.0 U	2.50 U	2.50 U
Naphthalene	Aqueous	2022 May EPA Tapwater	0.12	0.750 U	7.50 U	0.750 U	0.750 U
n-Butylbenzene	Aqueous	2022 May EPA Tapwater	1000	0.500 U	5.00 U	0.500 U	0.500 U
n-Propylbenzene	Aqueous	2022 May EPA Tapwater	660	0.750 U	7.50 U	0.750 U	0.750 U
o-Xylene	Aqueous	2022 May EPA Tapwater	190	0.500 U	5.00 U	0.500 U	0.500 U
p-Cymene (p-Isopropyltoluene)	Aqueous			0.500 U	5.00 U	0.500 U	0.500 U
sec-Butylbenzene	Aqueous	2022 May EPA Tapwater	2000	0.500 U	5.00 U	0.500 U	0.500 U
Styrene	Aqueous	2022 May EPA MCL	100	0.500 U	5.00 U	0.500 U	0.500 U
tert-Butyl alcohol	Aqueous	2022 May EPA Tapwater	150	5.00 U	50.0 U	5.00 U	5.00 U
tert-Butylbenzene	Aqueous	2022 May EPA Tapwater	690	0.750 U	7.50 U	0.750 U	0.750 U
Tetrachloroethene (PCE)	Aqueous	2022 May EPA MCL (in effect as of	5	1.00 U	10.0 U	1.00 U	1.00 U

Table 7-3
Comparison of Drain Line Water Analytical Results to Screening Levels
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

			SAMPLE LOCATION	SB-201	SB-202	SB-203	SB-204
			SAMPLE ID	AQ-201	AQ-202	AQ-203	AQ-204
			SAMPLE DATE	12-Oct-23	12-Oct-23	12-Oct-23	12-Oct-23
VOC (UG/L)	**Matrix**	**Screening Limit Type**	**Limit**				
Tetrahydrofuran	Aqueous	2022 May EPA Tapwater	3400	5.00 U	50.0 U	5.00 U	5.00 U
Toluene	Aqueous	2022 May EPA MCL	1000	**0.660 J+**	7.50 U	0.750 U	**0.490 J+**
Total, 1,3-Dichloropropene	Aqueous	2022 May EPA Tapwater	0.47	0.500 U	5.00 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	Aqueous	2022 May EPA Tapwater	68	0.500 U	5.00 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	Aqueous			0.500 U	5.00 U	0.500 U	0.500 U
Trichloroethene (TCE)	Aqueous	2022 May EPA Tapwater	0.49	0.750 U	7.50 U	0.750 U	0.750 U
Trichlorofluoromethane	Aqueous	2022 May EPA Tapwater	5200	1.00 U	10.0 U	1.00 U	1.00 U
Vinyl acetate	Aqueous	2022 May EPA Tapwater	410	1.00 U	10.0 U	1.00 U	1.00 U
Vinyl chloride	Aqueous	2022 May EPA Tapwater	0.019	1.00 U	10.0 U	1.00 U	1.00 U
Xylenes, Total	Aqueous	2022 May EPA Tapwater	190	1.50 U	15.0 U	1.50 U	1.50 U

Notes:

Report generated from FUDSCHEM: Reports/ Chemistry Reports with Regulatory Limits, Approved, limits as assigned in eQAPP, with bias included, April 1, 2025. Notes modified.

Detected results appear in **bold** font

Highlighted cells indicate detections that exceed the selected screening levels. In cases in which multiple screening limit types appear on the report, the most conservative available limit is used for data comparison.

J - Estimated Value

U - Undetected: The analyte was analyzed for, but not detected.

NA - Not analyzed for this parameter.

+ / - result likely has a positive or negative bias

UG/L - Micrograms per Liter

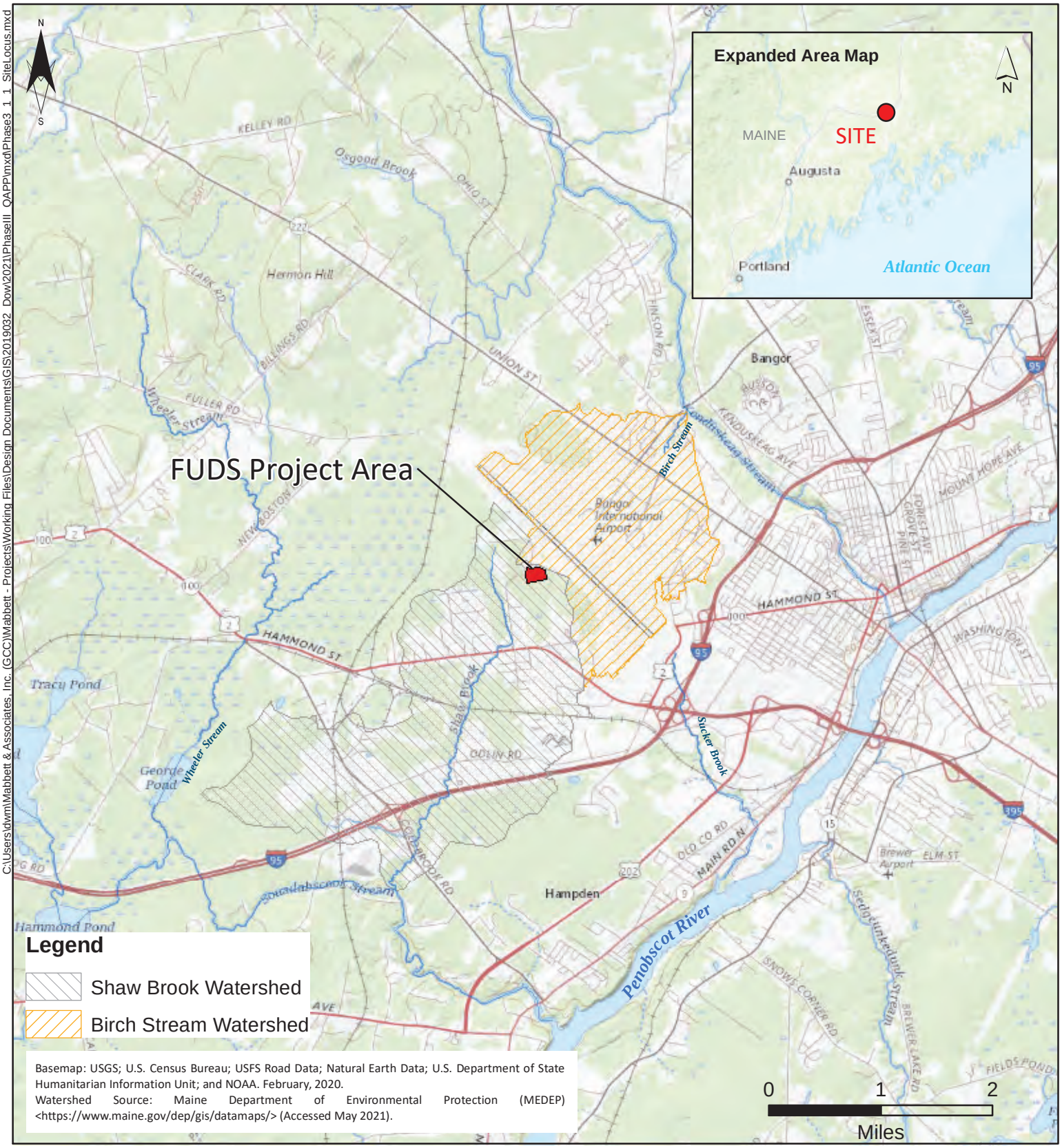
Table 7-4
Grain Size Data
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

Sieve size (%passing)	% passing	DOW-DU01-A 07/25/2023	DOW-DU02-A 08/01/2023	DOW-DU03-A 08//2023	DOW-DU04-A 07/25/2023	DOW-DU05-A 07/24/2023	DOW-DU06-A 07/27/2023	DOW-DU07-SU01-A 08/03/2023	DOW-DU07-SU03-A 08/28/2023	DOW-DU07-SU05-A 08/29/2023	DOW-DU07-SU07-A 08/30/2023
Sieve Size 3 inch	%	100	100	100	100	100	100	100	100	100	100
Sieve Size 2 inch	%	100	100	100	100	100	100	100	100	100	100
Sieve Size 1.5 inch	%	100	100	100	100	100	100	100	100	100	100
Sieve Size 1 inch	%	100	100	100	100	100	100	100	100	100	100
Sieve Size 0.75 inch	%	100	100	100	100	100	100	100	100	100	100
Sieve Size 0.375 inch	%	84.98	91.97	95.31	96.17	97.85	92.02	97.17	91.81	98.10	91.69
Sieve Size #4	%	82.28	88.48	93.12	93.51	95.86	89.39	95.79	90.69	97.47	90.33
Sieve Size #10	%	72.91	78.71	86.49	88.35	92.20	83.79	90.90	87.53	94.75	86.08
Sieve Size #20	%	60.99	65.30	79.29	80.28	87.50	74.41	82.14	82.32	88.15	79.51
Sieve Size #40	%	51.69	50.37	72.26	74.54	84.47	64.95	78.11	79.15	85.44	76.51
Sieve Size #60	%	45.10	39.53	67.89	71.05	82.40	58.04	75.19	76.08	83.81	74.48
Sieve Size #100	%	41.76	34.61	65.71	69.05	81.21	54.75	73.56	74.50	82.72	72.84
Sieve Size #140	%	39.77	32.33	64.57	67.47	80.17	52.78	71.93	73.76	82.09	71.78
Sieve Size #200	%	36.04	28.92	59.8	63.31	77.14	47.84	65.74	68.45	79.56	65.78
Gravel	%	17.72	11.52	6.88	6.49	4.14	10.61	4.21	9.31	2.53	9.67
Coarse Sand	%	9.38	9.77	6.63	5.16	3.66	5.59	4.89	3.16	2.71	4.25
Medium Sand	%	21.22	28.34	14.24	13.81	7.72	18.84	12.79	8.38	9.32	9.57
Fine Sand	%	15.65	21.44	12.46	11.23	7.33	17.11	12.36	10.70	5.88	10.73
Silt	%	25.83	23.50	49.4	49.39	56.73	36.91	54.19	53.11	56.61	51.97
Clay	%	10.21	5.42	10.4	13.92	20.42	10.93	11.56	15.34	22.95	13.81

Table 7-4
Grain Size Data
Former Dow Air Force Base Aviation Fuel Filter/Drum/TCE Disposal Area FUDS
Bangor, Maine

Sieve size (%passing)	% passing	DOW-DU08-SU02 10/09/2023	DOW-DU08-SU04-A 08/31/2023	DOW-DU08-SU06 09/01/2023	DOW-DU09-SU02 10/09/2023	DOW-DU01-SS01-01-02 08/07/2023	DOW-DU02-SS01-03-10 08/07/2023	DOW-DU04-SS01-01-05 08/08/2023	DOW-DU05-SS02-5.5-10 08/09/2023
Sieve Size 3 inch	%	100	100	100	100	100	100	100	100
Sieve Size 2 inch	%	100	100	100	100	100	100	100	100
Sieve Size 1.5 inch	%	100	100	100	100	100	100	100	100
Sieve Size 1 inch	%	100	100	100	100	100	100	100	100
Sieve Size 0.75 inch	%	100	100	100	100	100	100	100	100
Sieve Size 0.375 inch	%	82.29	93.10	87.79	90.14	92.82	100	45.43	100
Sieve Size #4	%	80.68	91.83	86.01	87.09	87.31	100	39.64	100
Sieve Size #10	%	76.08	87.69	83.47	81.18	74.16	99.68	28.69	99.76
Sieve Size #20	%	71.03	82.48	77.65	74.19	57.92	99.44	21.43	99.05
Sieve Size #40	%	67.81	78.66	74.93	69.89	45.68	99.05	18.01	97.70
Sieve Size #60	%	64.82	75.58	73.33	66.84	37.07	98.41	16.06	96.59
Sieve Size #100	%	62.98	73.46	72.40	64.69	32.61	97.86	15.08	95.80
Sieve Size #140	%	61.37	72.08	72.02	62.72	30.80	97.70	14.45	95.00
Sieve Size #200	%	54.93	64.76	69.67	57.70	26.80	95.32	12.78	89.05
Gravel	%	19.32	8.17	13.99	12.91	12.69	0.00	60.36	0.00
Coarse Sand	%	4.60	4.14	2.54	5.92	13.15	0.32	10.95	0.24
Medium Sand	%	8.28	9.02	8.54	11.29	28.48	0.63	10.68	2.06
Fine Sand	%	12.88	13.91	5.26	12.19	18.89	3.73	5.23	8.65
Silt	%	46.82	54.70	59.59	47.49	19.82	64.40	7.48	60.40
Clay	%	8.11	10.06	10.08	10.20	6.98	30.92	5.30	28.65

FIGURES



Basemap: USGS; U.S. Census Bureau; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA. February, 2020.
Watershed Source: Maine Department of Environmental Protection (MEDEP) <https://www.maine.gov/dep/gis/datamaps/> (Accessed May 2021).

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US Army Corps of Engineers.

Former Dow Air Force Base
Bangor, Maine

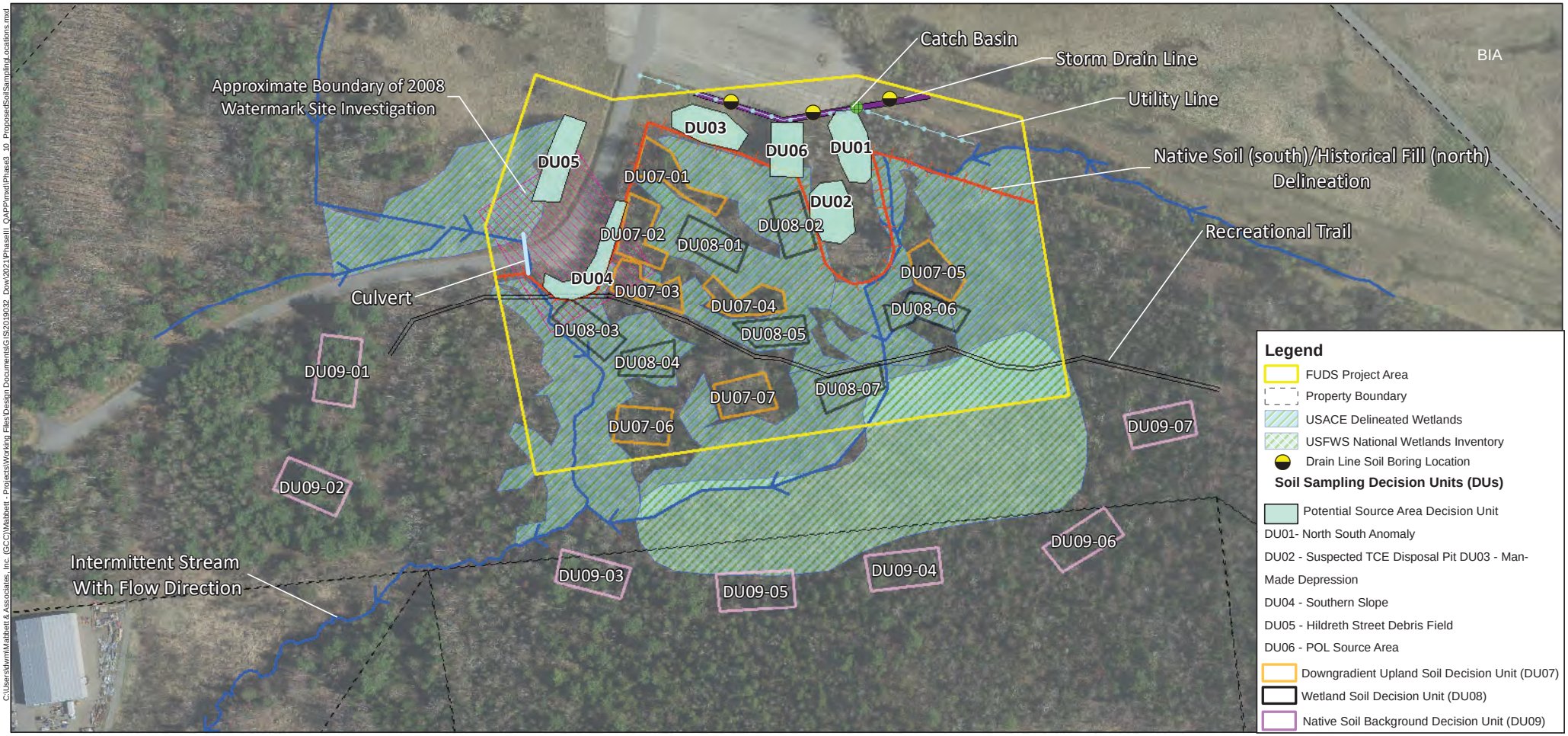
Formerly Used Defense Site (FUDS)
Property and Project Number D01ME0004 02

SITE LOCUS MAP
Phase III Remedial Investigation

U.S. Army Corps of Engineers, New England District

Figure 1-1

Drawn: DWM	Approved: SAV
Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)	
Contract No. W912WJ-19-D-0005	Date: 4/7/2024



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Feet

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US Army Corps of Engineers.

Former Dow Air Force Base

Bangor, Maine
Formerly Used Defense Site (FUDS)
Property and Project No. D01ME0004 02

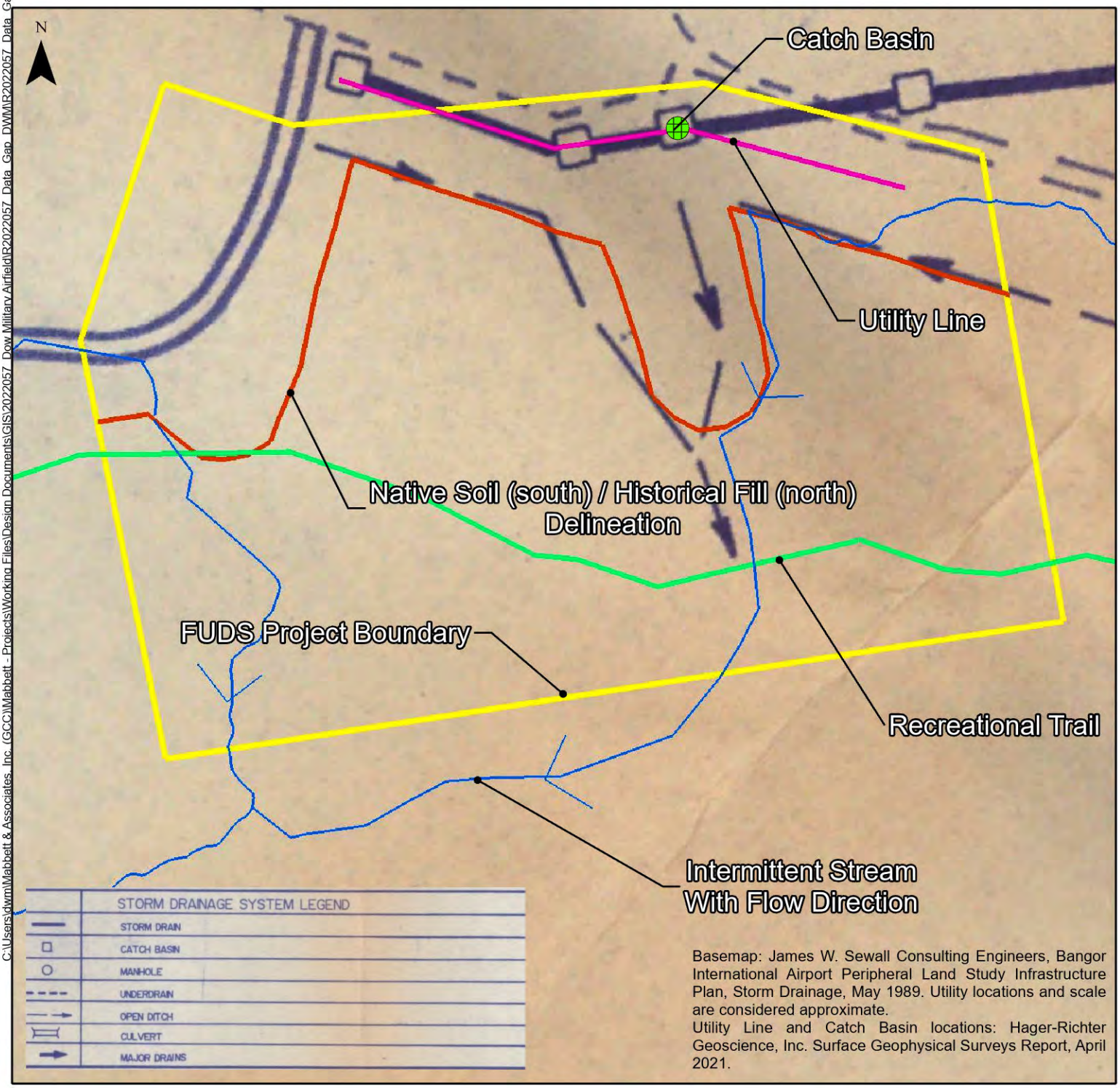
Site Plan and Disposal Area Locations

Phase III Remedial Investigation
U.S. Army Corps of Engineers, New England District

Figure 1-2

Drawn: DWM	Approved: SAV
Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)	
Contract No. W912WJ-19-D-0005	Date: 4/7/2023

Notes:
Basemap: Spring 2019 leaf-off conditions Maine Statewide Orthoimagery Project <https://gis.maine.gov/arcgis/> (Accessed May 2021).
Propery boundaries: City of Bangor <https://bangormaine.gov/gis/>, Maine Office of GIS <https://maine.gov/megis/maps/> (Accessed May 2021).
Utility Line and Catch Basin locations: Hager-Richter Geoscience, Inc. Surface Geophysical Surveys Report, April 2021.
2008 Watermark Site Investigation Boundary and U.S. Army Corp of Engineers (USACE) delineated wetlands locations: Watermark Environmental, Inc., Final Site Investigation Summary Report, January 2013.
Maine wetland data: U.S. Fish and Wildlife Services (USFWS) <https://www.fws.gov/> (Accessed May 2021).
Storm Drain Line location: James W. Sewall Consulting Engineers, Bangor International Airport Peripheral Land Study Infrastructure Plan, Storm Drainage, May 1989. Utility locations and scale are considered approximate.



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Feet

US Army Corps of Engineers.

Former Dow Military Airfield

Bangor, Maine
Formerly Used Defense Site (FUDS)
Property and Project Number D01ME0004 02

STORM DRAINAGE PLAN

Phase III Remedial Investigation
U.S. Army Corps of Engineers, New England District

Figure 2-1

Drawn: DWM	Approved: SAV
Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)	
Contract No. W912WJ-16-D-0004	Date: 3/27/2025

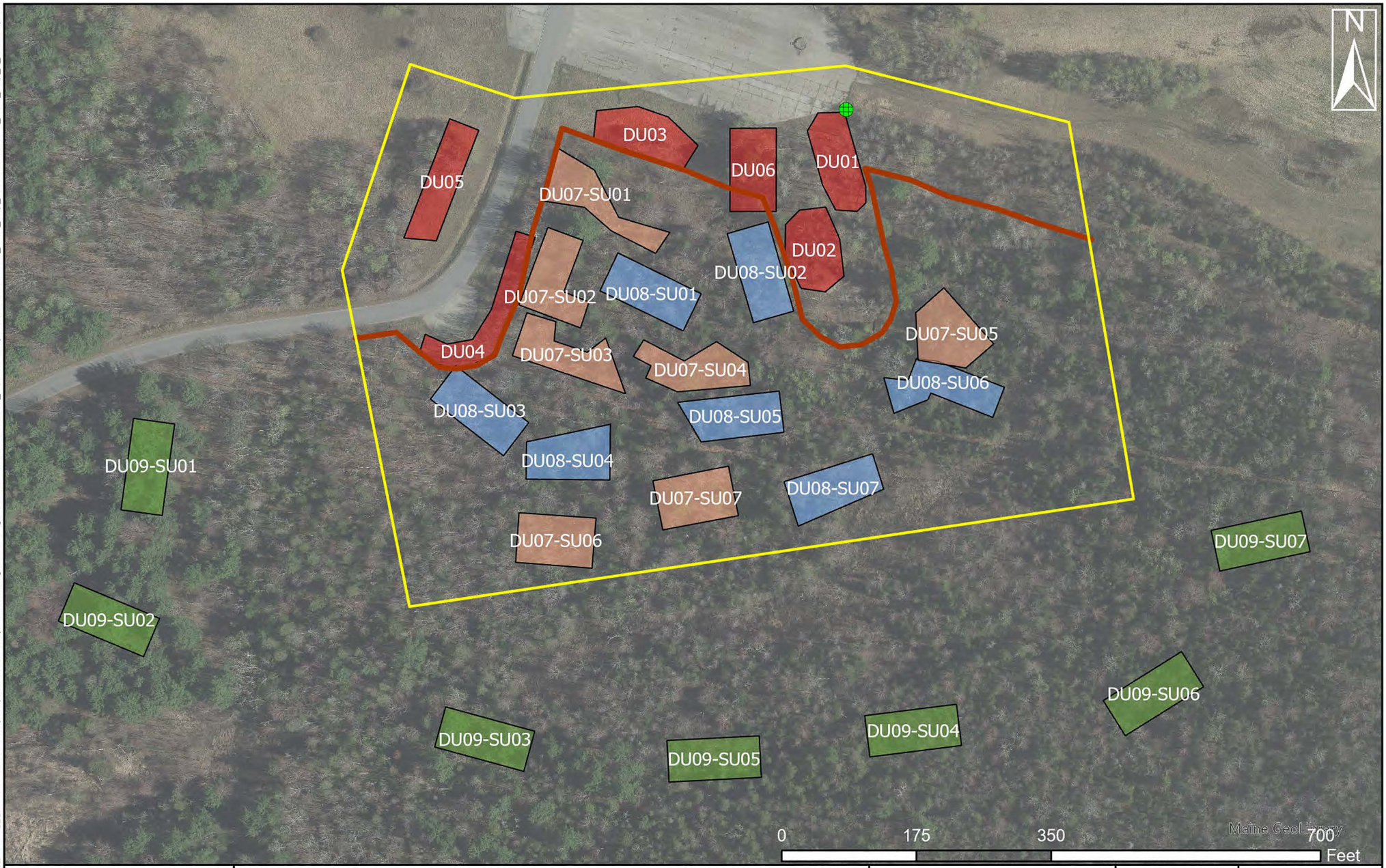

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Figure 3-1

Decision/Sampling Unit Locations

US Army Corps of Engineers

Former Dow Air Force Base

Bangor, Maine
Formerly Used Defense Site (FUDS)
Property and Project No. D01ME0004 02
Phase III Remedial Investigation
U.S. Army Corps of Engineers, New England District

Legend

- FUDS Project Area
- Native Soil-Fill Boundary
- Source Area Decision Unit (DU01-DU06)
- Downgradient Site Units (DU07)
- Wetland Site Units (DU08)
- Native Soil Site Units (DU09)
- Catch Basin

Drawn: DWM	Approved: SAV
Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)	
Contract No. W912WJ-19-D-0005	Date: 3/25/2025

Notes:
Basemap: Spring 2019 leaf-off conditions Maine Statewide Orthoimagery Project <<LINK>https://gis.maine.gov/arcgis/</LINK>> (Accessed May 2024).

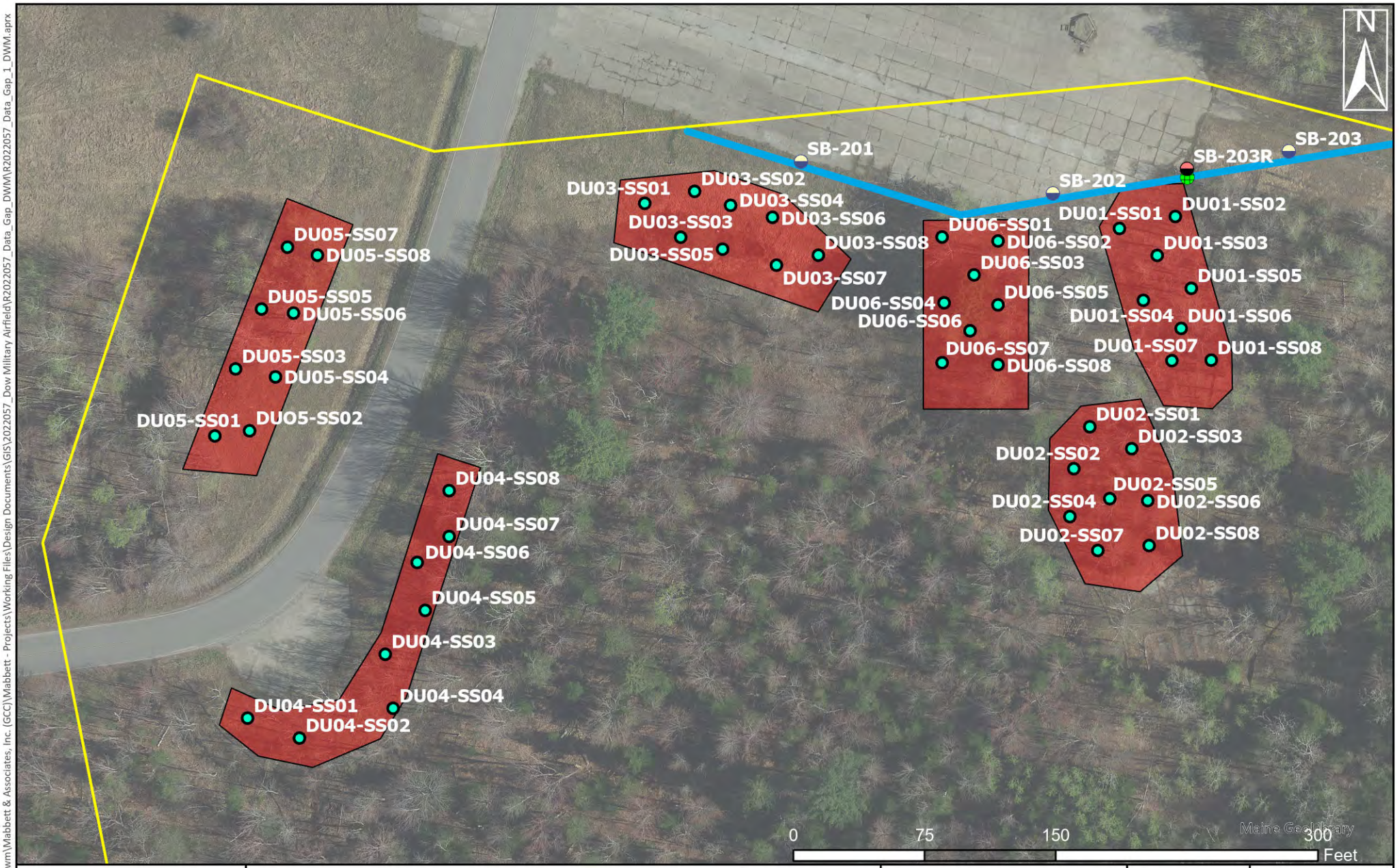

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Figure 4-1

DPT Soil Boring Locations

US Army Corps of Engineers

Former Dow Air Force Base

Bangor, Maine

Formerly Used Defense Site (FUDS)

Property and Project No. D01ME0004 02

Phase III Remedial Investigation

U.S. Army Corps of Engineers, New England District

Legend

- FUDS Project Area
- Source Area Decision Unit (DU01-DU06)
- Storm Drain Line
- DPT Locations
- Drain Line Boring Location
- Revised Drain Line Boring Location
- Catch Basin

Drawn: DWM	Approved: SAV
Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)	
Contract No. W912WJ-19-D-0005	Date: 3/25/2025

Notes:
Basemap: Spring 2019 leaf-off conditions Maine Statewide Orthoimagery Project <<LINK>https://gis.maine.gov/arcgis/</LINK>> (Accessed May 2024).
DPT - Direct Push Technology

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Figure 5-1

Drain Line Soil Boring Locations

US Army Corps of Engineers

Former Dow Air Force Base

Bangor, Maine
Formerly Used Defense Site (FUDS)
Property and Project No. D01ME0004 02
Phase III Remedial Investigation
U.S. Army Corps of Engineers, New England District

Legend

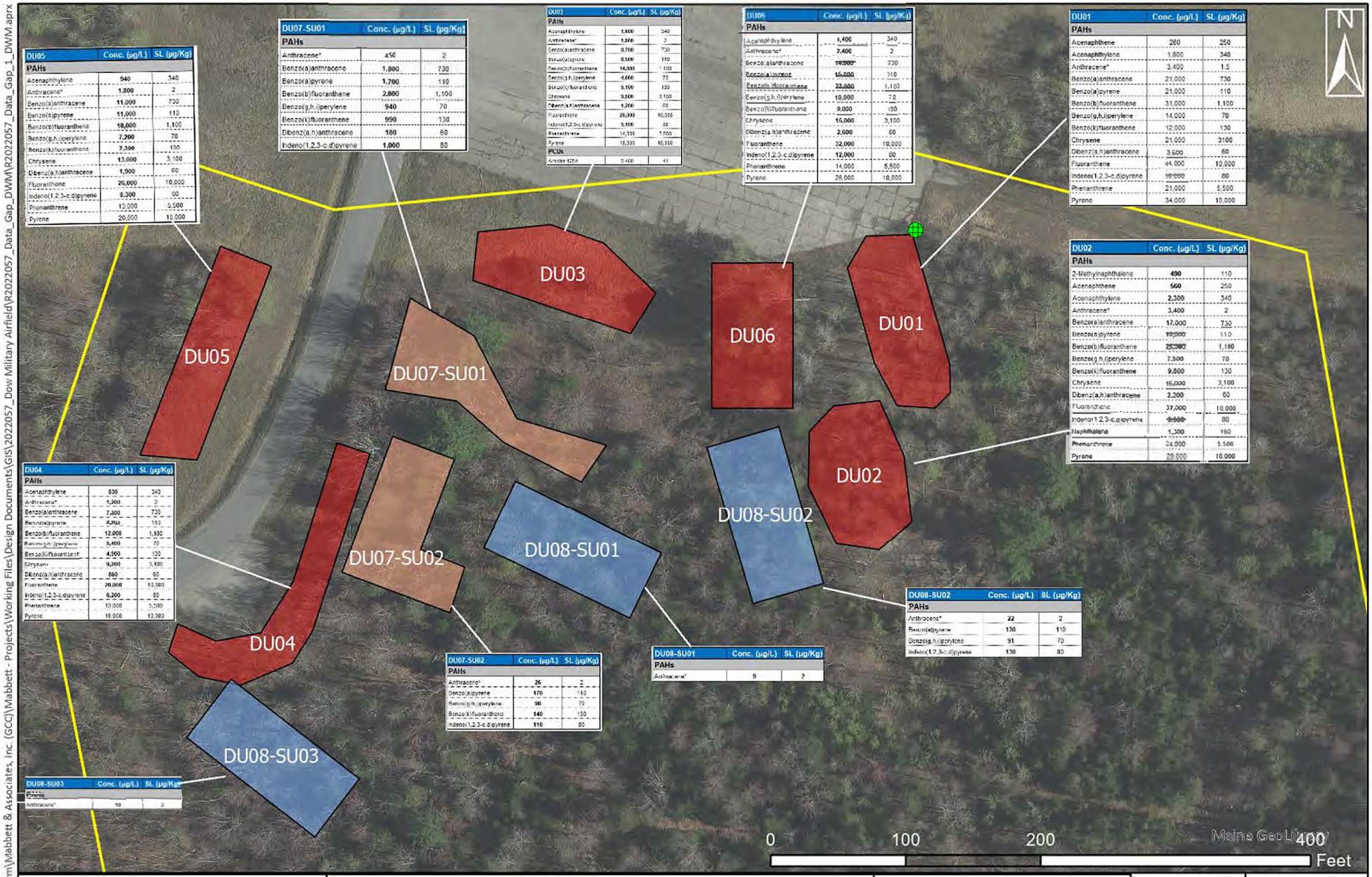
- FUDS Project Area
- Source Area Decision Unit (DU01-DU06)
- Storm Drain Line
- Drain Line Boring Location
- Revised Drain Line Boring Location
- Catch Basin

Drawn: DWM | Approved: SAV

Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)

Contract No. W912WJ-19-D-0005 | Date: 3/25/2025

Notes:
Basemap: Spring 2019 leaf-off conditions Maine Statewide Orthoimagery Project <<LINK>https://gis.maine.gov/arcgis/</LINK>> (Accessed May 2024).
DPT - Direct Push Technology



DU05	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Acenaphthylene	940	340
Anthracene*	1,800	2
Benzo(a)anthracene	11,000	730
Benzo(a)pyrene	11,000	110
Benzo(b)fluoranthene	18,000	1,100
Benzo(g,h,i)perylene	7,200	70
Benzo(k)fluoranthene	7,300	130
Chrysene	13,000	3,100
Dibenz(a,h)anthracene	1,900	60
Fluoranthene	25,000	10,000
Indeno(1,2,3-c,d)pyrene	8,300	80
Phenanthrene	13,000	5,500
Pyrene	20,000	10,000

DU07-SU01	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Anthracene*	450	2
Benzo(a)anthracene	1,800	730
Benzo(a)pyrene	1,700	110
Benzo(b)fluoranthene	2,800	1,100
Benzo(g,h,i)perylene	940	70
Benzo(k)fluoranthene	990	130
Dibenz(a,h)anthracene	180	60
Indeno(1,2,3-c,d)pyrene	1,000	80

DU03	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Acenaphthylene	1,800	340
Anthracene*	1,800	2
Benzo(a)anthracene	8,700	730
Benzo(a)pyrene	8,500	110
Benzo(b)fluoranthene	14,000	1,100
Benzo(g,h,i)perylene	4,600	70
Benzo(k)fluoranthene	5,100	130
Chrysene	9,500	3,100
Dibenz(a,h)anthracene	1,200	60
Fluoranthene	26,000	10,000
Indeno(1,2,3-c,d)pyrene	5,100	80
Phenanthrene	14,000	5,500
Pyrene	18,000	10,000
PCBs		
Aroclor 1254	0.400	41

DU06	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Acenaphthylene	1,400	340
Anthracene*	2,400	2
Benzo(a)anthracene	14,000	730
Benzo(a)pyrene	15,000	110
Benzo(b)fluoranthene	22,000	1,100
Benzo(g,h,i)perylene	10,000	70
Benzo(k)fluoranthene	9,000	130
Chrysene	16,000	3,100
Dibenz(a,h)anthracene	2,600	60
Fluoranthene	32,000	10,000
Indeno(1,2,3-c,d)pyrene	12,000	80
Phenanthrene	14,000	5,500
Pyrene	28,000	10,000

DU01	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Acenaphthene	260	250
Acenaphthylene	1,800	340
Anthracene*	3,400	1.5
Benzo(a)anthracene	21,000	730
Benzo(a)pyrene	21,000	110
Benzo(b)fluoranthene	31,000	1,100
Benzo(g,h,i)perylene	14,000	70
Benzo(k)fluoranthene	12,000	130
Chrysene	21,000	3100
Dibenz(a,h)anthracene	3,600	60
Fluoranthene	44,000	10,000
Indeno(1,2,3-c,d)pyrene	16,000	80
Phenanthrene	21,000	5,500
Pyrene	34,000	10,000

DU02	Conc. (µg/L)	SL (µg/Kg)
PAHs		
2-Methylnaphthalene	490	110
Acenaphthene	560	250
Acenaphthylene	2,300	340
Anthracene*	3,400	2
Benzo(a)anthracene	17,000	730
Benzo(a)pyrene	18,000	110
Benzo(b)fluoranthene	25,000	1,100
Benzo(g,h,i)perylene	7,800	70
Benzo(k)fluoranthene	9,800	130
Chrysene	16,000	3,100
Dibenz(a,h)anthracene	2,200	60
Fluoranthene	37,000	10,000
Indeno(1,2,3-c,d)pyrene	9,500	80
Naphthalene	1,300	160
Phenanthrene	24,000	5,500
Pyrene	29,000	10,000

DU04	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Acenaphthylene	830	340
Anthracene*	1,200	2
Benzo(a)anthracene	7,400	730
Benzo(a)pyrene	8,200	110
Benzo(b)fluoranthene	12,000	1,100
Benzo(g,h,i)perylene	5,400	70
Benzo(k)fluoranthene	4,900	130
Chrysene	9,200	3,100
Dibenz(a,h)anthracene	860	60
Fluoranthene	20,000	10,000
Indeno(1,2,3-c,d)pyrene	6,200	80
Phenanthrene	13,000	5,500
Pyrene	16,000	10,000

DU07-SU02	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Anthracene*	26	2
Benzo(a)pyrene	170	110
Benzo(g,h,i)perylene	90	70
Benzo(k)fluoranthene	140	130
Indeno(1,2,3-c,d)pyrene	110	80

DU08-SU01	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Anthracene*	9	2

DU08-SU02	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Anthracene*	22	2
Benzo(a)pyrene	130	110
Benzo(g,h,i)perylene	91	70
Indeno(1,2,3-c,d)pyrene	130	80

DU08-SU03	Conc. (µg/L)	SL (µg/Kg)
PAHs		
Anthracene*	10	2

Figure 7-1

Decision/Site Unit
ISM Exceedance Locations

US Army Corps of Engineers

Former Dow Airforce Base

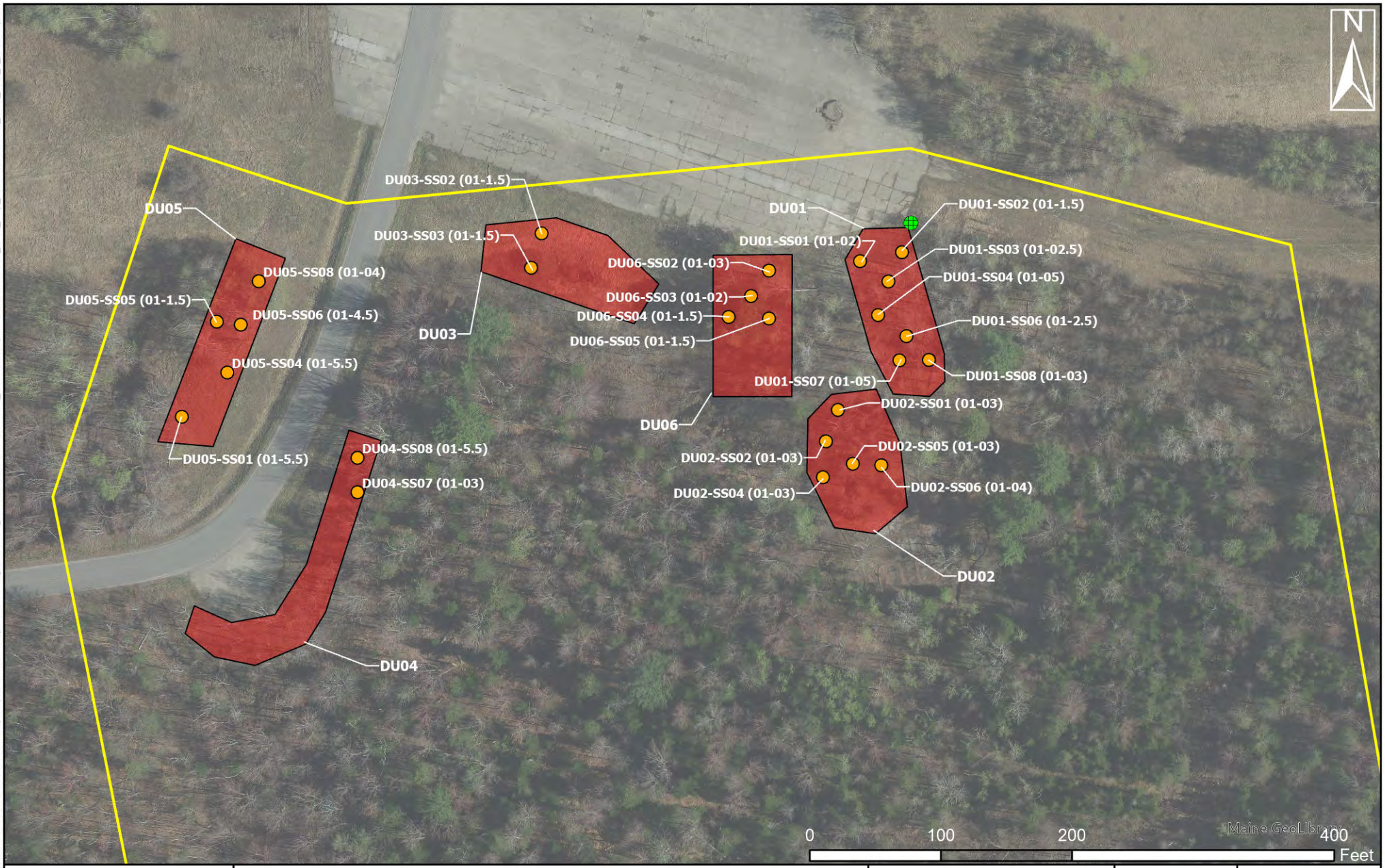
Bangor, Maine
Formerly Used Defense Site (FUDS)
Property and Project No. D01ME0004 02
Phase III Remedial Investigation
U.S. Army Corps of Engineers, New England District

Legend

- FUDS Project Area
- Source Area Decision Units (DU01-DU06)
- Downgradient Site Units (DU07)
- Wetlands Site Units (DU08)
- Catch Basin Cover

Drawn: DWM	Approved: SAV
Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)	
Contract No. W912WJ-19-D-0005	Date: 5/15/2024

Notes:
Basemap: Spring 2019 leaf-off conditions Maine Statewide Orthoimagery Project <<LINK>https://gis.maine.gov/arcgis/</LINK>> (Accessed May 2024).
ISM - Incremental Sampling Methodology



C:\Users\dwm\Mabbett & Associates, Inc. (GCC)\Mabbett - Projects\Working Files\Design Documents\GIS\2022057_Dow Military Airfield\R2022057_Data_Gap_DWM\R2022057_Data_Gap_1_DWM.aprx

Figure 7-2

DPT Soil Boring Exceedance Locations

US Army Corps of Engineers

Former Dow Air Force Base

Bangor, Maine
Formerly Used Defense Site (FUDS)
Property and Project No. D01ME0004 02
Phase III Remedial Investigation
U.S. Army Corps of Engineers, New England District

Legend

- FUDS Project Area
- Source Area Decision Unit (DU01-DU06)
- DPT Shallow Soil Boring Exceedance Location and Sampling Interval
- Catch Basin

Drawn: DWM	Approved: SAV
Projection: NAD83 2011 State Plane Maine East FIPS 1801 (US Feet)	
Contract No. W912WJ-19-D-0005	Date: 3/27/2025

Notes:
Basemap: Spring 2019 leaf-off conditions Maine Statewide Orthoimagery Project <<LINK>https://gis.maine.gov/arcgis/</LINK>> (Accessed May 2024).
DPT - Direct Push Technology

ATTACHMENT A

Daily Field Reports

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: March 9, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	1

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David P. Schanzle, CHMM

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
30s F and overcast with snow flurries. Approximately 2 feet of snow on ground	30s-40s F, overcast	29	43

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Performed site visit to inspect FUDS Phase III RI work area. Identified five (5) out of the six (6) existing overburden monitoring wells to be inspected and potentially redeveloped and sampled during the Phase III RI. MW-11 could not be located due to presence of snow banks on road shoulders. Examined overburden monitoring wells and collected depth to water (DTW) and depth to bottom (DTB) measurements using a water level indicator. Collected images from within monitoring wells using an endoscope. No apparent damage observed within wells, though MW-3 was missing well cover and well plug at the time of inspection.	Mabbett	1	0800-1000	2
Used GPS to locate proposed monitoring well borings and decision units (DUs) in woods east of Hildreth Road to evaluate the degree of vegetation clearing and road improvements that will be necessary to conduct field sampling.	Mabbett	1	1000-1200	2
Attempted to locate MW-11 alongside of Hildreth Road with GPS Unit	Mabbett	1	1300-1400	1

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO	Tailgate H&S meeting held via Microsoft Teams with Justin Idzenga. Potential hazards of walking in snowy woods solo were discussed. Throughout the day, used the "virtual buddy system" to check in via Teams chat with multiple team members every two hours.
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held via Microsoft Teams with Justin Idzenga. Potential hazards of walking in snowy woods solo were discussed. Checked in via Teams chat with multiple team members every two hours to maintain buddy-system protocol.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Mabbett	Water Level Indicator
Mabbett	Endoscope

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used

ADDITIONAL REMARKS

- Some vegetation clearing and removal of fallen trees will be required to facilitate access for Sonic Drill Rig to install monitoring wells into bedrock.
- Some overburden monitoring well covers will require either repair or replacement to maintain well integrity.

Prepared by David Schanzle, signed on his behalf by: Stephen Vedue — CONTRACTOR/SUPERINTENDENT — March 10, 2023 — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: March 10, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	2

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David P. Schanzle, CHMM

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
30s 0vercast. Approximately 2 feet of snow on ground	30s-40s F, Sunny	26	40

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Performed site walkover with Patrick Audet with Maine Tree and Landscape to determine level of vegetation clearing necessary to allow site access for Sonic Rig. Determined that it is possible to clear paths to proposed boring locations with clearing of underbrush and fallen logs by going around stands of trees. A few small trees may need removal, but overall forest disturbance should be minimal to get access to proposed monitoring wells 309, 310, 312. Underbrush vegetation and saplings are located in proximate low points that are likely wet so monitoring well installation will be targeted for July-August when the ground is relatively dry. Access to ISM Decision Units (DUs) should not be impacted by underbrush vegetation and clearing can be performed with hand tools (hedge shears).	Mabbett	1	0900-1100	2
Attempted to locate MW-11 again, alongside of Hildreth Road with GPS Unit, Well could not be located under current conditions	Mabbett	1	1200-1300	1

JOB SAFETY				
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO	Tailgate H&S meeting held via Microsoft Teams with Justin Idzenga. Potential hazards of walking in snowy woods solo were discussed. Throughout the day, used the "virtual buddy system" to check in via Teams chat with multiple team members every two hours.
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held via Microsoft Teams with Justin Idzenga. Potential hazards of walking in snowy woods solo were discussed. Checked in via Teams chat with multiple team members every two hours to maintain buddy-system protocol.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Maine Tree and Landscape	No equipment. Performed site walk over to assess site conditions for scoping out vegetation (underbrush clearing) for proposed field sampling work.	1

ADDITIONAL REMARKS

- MW-11 could not be located despite multiple attempts to locate the well. Will make another attempt to locate this well in Spring/Summer when snow pack is gone.
- No major issues that would impact drill rig access were identified during site walkovers.

Prepared by David Schanzle, signed on his behalf by: Stephen Vedrine — March 10, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: July 24, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	3

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David P. Schanzle, CHMM

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny with high humidity	Sunny with high humidity	83	72

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Inventory and organize field equipment in connex trailer. Job safety meeting.	Mabbett	1	0700-0730	0.5
Field team performed reconnaissance at the Historical Fill and Potential Source Areas (DU01 through DU06) with the GPS to evaluate accuracy and identify potential access issues.	Mabbett	1	0730-0900	1.5
Photoionization detector calibration and preparation for surface soil ISM sampling.	Mabbett	1	0900-1000	1.0
Mobilize to DU05 and initiate ISM sampling with “B” and “C” replicates.	Mabbett	1	1000-1820	8.20
Cleanup and secure site.	Mabbett	1	1820-1835	0.15

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Full APP and HASP review completed via Microsoft Teams will all on-site personnel on 7/19/23 at 1400. Tailgate H&S meeting held at arrival.

Potential hazards of heat and humidity were highlighted, established frequent water breaks during ISM surface soil sampling

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Mini-RAE PID	8.2
Mabbett	Arrow 100+ GPS Unit	9.7

ADDITIONAL REMARKS

- Frequent refusal of open sided T-handle (with step) soil sample probe was encountered at depths ranging from 4- to 6-inches below ground surface within DU-05. Refusals were the result of the presence of gravel and debris in the shallow subsurface.
- Locations where refusal was encountered were relocated using the previously established systematic accroach:
  - Attempted locations were performed in this order from the central grid initial location: 3-feet west, 3-feet west, 3-feet east, 3-feet east, 3-feet north, 3-feet north, 3-feet south, 3-feet south until the 1-foot target depth was achieved.

Prepared by David Schanzle, signed on his behalf by: Michael Bloom — July 24, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: July 25, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	4

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David P. Schanzle, CHMM

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny with moderate humidity	Partly cloudy with moderate humidity	83	72

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Daily Health & Safety Meeting with USACE (Rachel Leonardi and Constance Lepete). • MEDEP (Chris Evans and Daniel Nessly) arrived at 1130 - received supplemental health and safety briefing.	Mabbett USACE MEDEP	1	0700-0730	0.5
Mabbett PM (Steve Vetere) and Site Superintendent walked through Historical Fill and Potential Source Areas (DU01 through DU06) with on-Site USACE personnel.	Mabbett & USACE	1	0730-0830	1.0
Decon ISM sampling equipment, photoionization detector calibration and preparation for surface soil ISM sampling.	Mabbett	1	0830-1100	2.5
Used GPS to place pin flags at the center of each ISM grid square for DU04.	Mabbett	1	0900-1000	1.0
Mobilize to DU04 and initiate ISM sampling with "B" and "C" replicates.	Mabbett	1	1100-1700	6.0
Cleanup, ISM sampling equipment decon and secure site.	Mabbett	1	1700-1715	0.25

JOB SAFETY

	YES	NO
WAS A JOB SAFETY MEETING HELD THIS DATE?	☒	☐
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐	☒
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐	☒
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐	☒

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held at arrival. Daily Health & Safety Meeting and Site Inspection Checklist #003 filled out by Site Superintendent with signatures for all On-Site personnel including USACE & MEDEP. Potential hazards of heat and humidity were highlighted, established frequent water breaks during ISM surface soil sampling.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Mini-RAE PID	6.0
Mabbett	Arrow 100+ GPS Unit	8.5

ADDITIONAL REMARKS

- Rachel and Constance (USACE) asked how Mabbett plans on dealing with decision units were more than one entire increment grid squared are not sampleable due to overlapping wetlands or paved surfaces. Conveyed that we adjusted locations in the field to handle obstructions within an increment but if several increments were causing issues, we would redraw it and update the maps.
- Mabbett and USACE discussed what to send as trip blanks with soil shipments. Mabbett and USACE decided to submit an empty, methanol filled ISM jar instead of an aqueous trip blank.
- The first courier pickup for DOW-DU05-A, DOW-DU05-B and DOW-DU05-C occurred today prior to the completion of sampling at DU04.
- Constance (USACE) mentioned that there is potential error introduced by using this VOC ISM method because splashing can reduce the volume of methanol compared to what the soil jars were sent with. Constance recommend that we seal the methanol jars with Teflon tape when we are done with them so there is less risk of spillage during sample shipment.
  - Staff discussing this may not have been aware, but the VOC ISM jars were special ordered by Katahdin Analytical Services and are already equipped with a Teflon lined cap.
- The utility location subcontractor has been scheduled to mark out the storm drain line next Tuesday 8/1.

Prepared by David Schanzle, signed on his behalf by: Michael Bloom — July 25, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: July 26, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	5

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David P. Schanzle, CHMM

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy with moderate humidity	Partly cloudy with moderate humidity	84	70

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Daily Health & Safety Meeting with USACE (Michael Narcisi and Constance Lepete). • Rachel Leonardi (USACE) arrived at 0750	Mabbett USACE	1	0700-0730	0.5
Prepared DU04 samples for lab submittal: added labels, wrapped ISM VOC jar with Teflon tape.	Mabbett USACE	1	0730-0800	0.5
Used GPS to place pin flags at the center of each ISM grid square for DU01	Mabbett	1	0730-0900	1.5
Mobilize to DU01 and initiate ISM sampling with "B" and "C" replicates. Matrix Spike and Matrix Spike Duplicate will be run on the "A" sample.	Mabbett USACE	1	0900-13400	4.6
Mark out paths for brush clearing	Mabbett USACE	1	1420-1600	1.7
Cleanup, ISM sampling equipment decon and secure site.	Mabbett	1	1600-1630	0.5

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held at arrival. Daily Health & Safety Meeting and Site Inspection Checklist #004 filled out by Site Superintendent with signatures for all On-Site personnel including USACE. Potential hazards of heat and humidity were highlighted, established frequent water breaks during ISM surface soil sampling.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
SunBelt Rentals	UTV delivered 0800-0815

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Mini-RAE PID	4.6
Mabbett	Arrow 100+ GPS Unit	6.1

ADDITIONAL REMARKS

- Constance (USACE) reviewed the APP and checked health and safety supply inventory as part of her USACE field checklist.
- A trip blank was brought out in the sample cooler during ISM sample collection, during which the methanol filled soil jar tipped on its' side and a quantity of methanol leaked out. Teflon tape will be added to the threads of the ISM VOC jars threads to prevent leaks.
- A UH-60 helicopter came to the site to run patient extraction drills for about a half hour in the middle of the day.
- Mabbett received notice from Cascade that there will be a 1-week delay in the start of the DPT program, establishing a new start date of Monday 8/7. Mabbett updated staffing such that surface soil ISM sampling will continue next week 8/1-8/4.

Prepared by David Schanzle, signed on his behalf by: Michael Bloom — CONTRACTOR/SUPERINTENDENT — July 27, 2023 — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: July 27, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	6

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David P. Schanzle, CHMM

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy with 83% humidity and 8mph wind from the south	Partly cloudy with moderate humidity	75	70

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Prepared surface soil ISM samples for lab pickup	Mabbett	1	0700-0730	0.5
Daily Health & Safety Meeting	Mabbett	1	0730-0740	0.17
Call with clearing contractor – delayed until tomorrow due to rain and potential thunderstorms.	Mabbett	1	0740-0745	0.08
Used GPS to place pin flags at the center of each ISM grid square for DU06	Mabbett	1	0745-0845	1.0
Prep for ISM sampling	Mabbett	1	0845-0920	0.58
Mobilize to DU06 and initiate ISM sampling with “B” and “C” replicates.	Mabbett	1	0920-14150	4.92
Cleanup, ISM sampling equipment decon and secure site.	Mabbett	1	1415-1430	0.25

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held at arrival. Daily Health & Safety Meeting and Site Inspection Checklist #005 filled out by Site Superintendent with signatures for all On-Site personnel. Potential hazards of forecasted afternoon thunderstorm were highlighted.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Katahdin	Sample pickup and bottle-ware delivery, including deionized water.

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Mini-RAE PID	5.0
Mabbett	Arrow 100+ GPS Unit	6.0

ADDITIONAL REMARKS

- The Bangor Bomb squad was conducting training on the opposite side of Hildreth Street, including practice with bomb squad robots. Bomb squad informed Site Superintendent of the potential for noise.
- Field efforts cut short in the afternoon due to the threat of thunderstorms.

Prepared by David Schanzle, signed on his behalf by: Michael Bloom — CONTRACTOR/SUPERINTENDENT

July 28, 2023 — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: July 28, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	7

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David P. Schanzle, CHMM

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy with 65% humidity and 5-8 mph wind from the West	Partly cloudy with 55% humidity and 7-13 mph wind from the Southwest, with 17-21 mph gusts	87	72

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Organized Site for next Field Team	Mabbett	1	0650-0715	0.42
Daily Health & Safety Meeting	Mabbett, Bangor Lawn & Landscape	1	0715-0720	0.08
Walked paths to be cleared by BrushHog	Mabbett, Bangor Lawn & Landscape	1	0720-0740	0.33
Inspect BrushHog	Mabbett, Bangor Lawn & Landscape	1	0740-0755	0.25
Bangor L&L begins Brushhogging. Mabbett preps DU06 samples for shipment to lab.	Mabbett, Bangor Lawn & Landscape	1	0755-0850	0.92
Clear DU01, DU02, DU03, DU06, DU04.	Mabbett, Bangor Lawn & Landscape	1	0850-1100	2.17
Additional clearing at DU07-SU06 & DU07-SU07.	Mabbett, Bangor Lawn & Landscape	1	1100-1145	0.75
Additional clearing around DPT points in DU01, DU02, and DU06	Mabbett, Bangor Lawn & Landscape	1	1145-1155	0.17
Clearing for access to DU02, DU03, and DU06.	Mabbett, Bangor Lawn & Landscape	1	1155-1220	0.42
Clear DU05. Mabbett verified all DPT locations cleared and marked. Mark GPS waypoint for new proposed location of SB-312 in order to not fell trees greater than three inches in diameter.	Mabbett, Bangor Lawn & Landscape	1	1220-1320	1.00
Cleanup and secure site.	Mabbett	1	1320-1345	0.42

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held on arrival. Daily Health & Safety Meeting and Site Inspection Checklist #005 filled out by Site Superintendent with signatures for all On-Site personnel. Brush hogging activities highlighted.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Bangor Lawn & Landscape	Brush Hog mounted on Skid Steer	5.33
Mabbett	Eos Positioning Systems #21613951 GPS Unit	6.0

ADDITIONAL REMARKS

- The original location of SB-312 is inaccessible without clearing trees greater that 3-5 inches in diameter. As previously discussed, Mabbett directed brush clearing to the new proposed location of SB-312 (to the south).

Prepared by David Schanzle, signed on his behalf by: Michael Bloom — July 31, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: August 1, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	8

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Nicholas V. Podmaska, GIT

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear cloudy with 74% humidity and 4-6 mph wind from the southwest	Partly cloudy with 56% humidity and 4-7mph wind from the Southwest,	71	62

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Organized equipment and set up GPS.	Mabbett	1	0640-0700	0.33
Daily Health & Safety Meeting	Mabbett,	1	0700-0730	0.50
Set up workstation, decontaminate ISM sampling equipment, and calibrate PID.	Mabbett	1	0730-0800	0..50
Meet with and provide direction for GPRS INC. to locate catch basin for storm drain line mark-out.	Mabbett GPRS INC.	1	0800-0900	1.0
ISM Sampling of Potential Source Area DU02 with "B" and "C" replicates. "B" replicate for MS/MSD.	Mabbett	1	0900-1740	8.67
Label samples and repack cooler with samples and ice.	Mabbett	1	1740-1810	0.50
Cleanup and secure site.	Mabbett	1	1810-1830	0.33
Depart site.	Mabbett	1	1830	-

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held on arrival. Daily Health & Safety Meeting and Site Inspection Checklist #006 filled out by Site Superintendent with signatures for all on-Site staff including Mike Russett from GPRS

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
GPRS-Mike Russett	Ground Penetrating Radar (GPR)	1.0
Mabbett	Eos Positioning Systems #21613951 GPS Unit	1.0
Mabbett	Mini-RAE PID	

ADDITIONAL REMARKS

- The center points of the ISM sample grid for intervals 03 and 04 from DU03 were each moved 3-feet to the north to get the ISM sample locations off of the concrete.
- A total area of approximately 250 linear feet was scanned by GPRS in order to locate storm drain lines. The catch basin in the project area was full to grade with water/mud and eliminated the ability to utilize traceable rodder/electromagnetic locator (as planned) through drain lines due to water and mud obstructing the pipes. The path along which drain lines are shown to be located on the figure set was scanned in a grid pattern utilizing utility cart GPR. Potential storm line/anomaly was located in open grass area at approximately 6.5ft below surface and marked in pink marking paint/flags. The reason the line was marked in pink marking paint was due to the fact that it is not confirmed that the anomaly was storm line. The maximum effective depth of GPR was approximately 7 feet. GPRS recommend drilling with caution within 2ft of any marked line.

Prepared by Nicholas Podmaska, signed on his behalf by: Michael Bloom — August 2, 2023

CONTRACTOR/SUPERINTENDENT — DATE

Catch basin was filled to grade with stormwater.

GPRS performing grid pattern scanning with utility cart GPR

ISM sampling at Potential Source Area DU02

Center of ISM interval DU02-03 moved 3-feet north because of the presence of concrete at ground surface.

View of brush hog clearing.

View of clearing with surface soil ISM pin flags.

View of SB-312 original location.

View of connex field trailer.

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: August 2, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	9

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Nicholas V. Podmaska, GIT

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Clear with 76% humidity and 4 mph wind from the northwest	Partly sunny with 36% humidity and 4 mph wind from the west,	77	56

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup field supplies	Mabbett	1	0640-0700	0.33
Set up workstation, calibrate PID, and decontaminate ISM Sampler.	Mabbett	1	0700-0740	0.66
Tail Gate Health and Safety Meeting.	Mabbett	1	0740-8000	0.33
Complete ISM sampling of Potential Source Area DU03.	Mabbett	1	0800-1320	5.33
Mark-out ISM sampling locations of DU07 SU01 using GPS.	Mabbett	1	1325-1440	1.25
Katahdin Analytical On-site to drop off cooler and pickup samples.	Mabbett	1	1335-1355	1.33
Mark-out ISM sampling locations of DU07 SU02 using GPS.	Mabbett	1	1440-1520	0.66
Decontaminate ISM samplers and collect Equipment Blank	Mabbett	1	1355-1520	1.42
Clean and secure Site.	Mabbett	1	1520-1600	0.66

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held on arrival. Daily Health & Safety Meeting and Site Inspection Checklist #007 filled out by Site Superintendent with signatures for on-Site staff.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Katahdin	Cooler of extra methanol preserved ISM VOC jars

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	3.0
Mabbett	Mini-RAE PID	6.0

ADDITIONAL REMARKS

- Katahdin picked up DU02 (A, B, B-MS, B-MSD, C) and DU03 (A, B, C) samples, with trip blank.
- Equipment blank collected for PAHs, Metals and PCBs.

Prepared by Nicholas Podmaska, signed on his behalf by: Michael Bloom — CONTRACTOR/SUPERINTENDENT — August 2, 2023 — DATE

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ISM sample processing station for DU03.

ISM increment collection at DU03.

View of scrap metal adjacent to DU03 increment 19B.

ISM sample grid mark-out at DU07-SU1.

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: August 3, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	10

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Nicholas V. Podmaska, GIT

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Mostly cloudy with 68% humidity and 9 mph winds from the south.	Mostly cloudy with 58% humidity and 17 mph wind from the south.	75	57

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0540-0600	0.33
Tail Gate Health and Safety Meeting.	Mabbett	1	0600-0615	0.25
Set up workstation, calibrate PID, and decontaminate ISM Sampler.	Mabbett	1	0615-1635	0.42
ISM sampling of at Downgradient Upland Soil DU07-SU01 with replicates.	Mabbett	1	0635-1045	4.17
Move workstation to DU07-SU02 and decontaminate ISM Sampler.	Mabbett	1	1045-1110	0.42
ISM sampling of at Downgradient Upland Soil DU07-SU02 with replicates.	Mabbett	1	1110-1350	2.83
Sample labeling, chain of custody preparation and cooler packing.	Mabbett	1	1350-1415	0.25
Clean and secure Site.	Mabbett	1	1415-1500	0.75
Drop off samples at Katahdin in Portland in route to Stoneham office.	Mabbett	1	1500-1630	1.5

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held on arrival. Daily Health & Safety Meeting and Site Inspection Checklist #008 filled out by Site Superintendent with signatures for on-Site staff.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	7.0
Mabbett	Mini-RAE PID	7.0

ADDITIONAL REMARKS

- Elevated PID readings ranging from 1-10 ppmv were observed throughout DU07-SU01, with 7 of the 90 total increments (including replicate locations) exceeding 10 ppmv screening values: 9C=30.1, 10C=21.8, 13C=15.4, 17A=14.3, 16B=11.8, 21A=11.5, 28C=10.7.
- See attached photos of corroded +/- 30 gallon capacity drum at ground surface proximate to DU07-SU01 increment #11. No other visible debris was noted within DU07-SU01.
- Mabbett recorded PID screening readings from each of the 90 increments (A, B & C) collected at DU07-SU01, and will process this data and provide a map illustrating the spatial distribution of PID screening data from DU07-SU01.
- As elevated PID screening values were observed throughout DU7-SU01, Mabbett did not collect any additional discrete VOC samples for laboratory analysis.
- Mabbett asked that Katahdin to provide draft results of the DU07-SU01 sample as quickly as possible without incurring rush surcharging.
- Dropped off DU07-SU01 (A, B, C), DU07-SU02 (A, B, C) samples and Equipment Blank at Katahdin.
- Due to thunderstorms forecasted for 8/4 and field team schedule (2x personnel returning to Bangor on Sunday 8/6), field team returned to Massachusetts after site work was completed. No field staff present on-Site 8/4.

Prepared by Nicholas Podmaska, signed on his behalf by: Michael Bloom — August 4, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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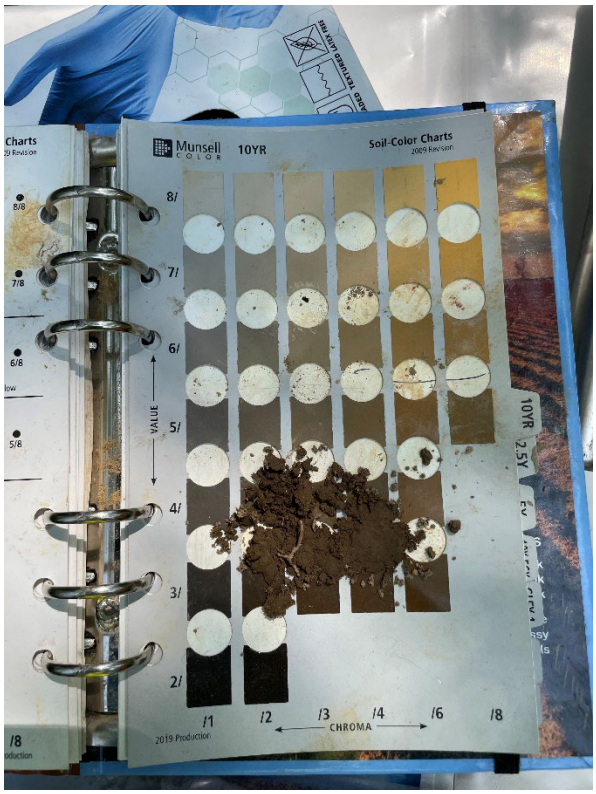
ISM sample processing station for DU07-SU01.

Metal container debris in DU07-SU01 proximate to increment #11

Additional view of DU07-SU01 proximate to increment #11



Munsell color determination.

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: August 7, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	11

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Nicholas V. Podmaska, GIT

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy with 71% humidity and 1-2 mph winds from the west.	cloudy with 65% humidity and 3 mph wind from the south.	75	55

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0620-0630	0.17
Cascade on-Site	Mabbett & Cascade	1	0635	0.0
Walk through DU drilling locations with Cascade	Mabbett& Cascade	1	0640-0700	0.33
Tailgate health and safety meeting	Mabbett & Cascade	1	0700-0715	0.25
Set up workstation and calibrate equipment	Mabbett	1	0715-0735	0.33
Complete DPT sampling at DU1	Mabbett & Cascade	1	0735-1025	2.83
Complete DPT sampling at DU2	Mabbett & Cascade	1	1025-1335	3.16
Complete DPT Sampling at DU3	Mabbett & Cascade	1	1335-1615	2.67
Clean and secure site	Mabbett & Cascade	1	1615-1645	0.5

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held on arrival. Daily Health & Safety Meeting and Site Inspection Checklist #009 filled out by Site Superintendent with signatures for on-Site Staff including Cascade & USACE (Drew Clemens, PG). Reviewed Geoprobe and drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Cascade	Geoprobe 7822DT, 55-gallon drums for IDW

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	8.0
Mabbett	Mini-RAE PID	8.0
Cascade	Geoprobe 7822DT	8.0

ADDITIONAL REMARKS

- Performed 8 soil borings within each of the three completed DUs (DU01-DU03) with soil samples collected from 1-foot below grade to the bottom depth of the fill unit, and from the bottom of the fill unit to the 10-foot target depth of the soil boring from the Presumpscot tight silt interval.
- The till unit which may be present overlying the top of bedrock was not encountered in any of the soil borings completed within DU01, DU02 or DU03.
- Reviewed storm drain locate efforts with Drew Clemens (USACE) and formulate approaches to address boring locations/areas where GPRS was unable to confirm the line location.
- PID screening data was low throughout DU01, DU02 and DU03. The highest PID screening value recorded was 2.2 ppmv at DU2-SS08.

Prepared by Nicholas Podmaska, signed on his behalf by: Michael R Loom — CONTRACTOR/SUPERINTENDENT — August 8, 2023 — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **August 8, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	12

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Nicholas V. Podmaska, GIT

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Light to heavy rain with 86% humidity and 12 mph winds from the southeast.	Light to heavy rain with 94% humidity and 6 mph wind from the east. Chance of thunderstorms in late afternoon.	66	63

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0630-0650	0.33
Adjust 8/7 sample labels for FUDSCHEM formatting	Mabbett	1	0650-0700	0.17
Cascade on-Site	Mabbett & Cascade	1	0700	0.00
Drew Clemens and Grace Greenberg (USACE) on-Site	USACE	1	0710	0.00
Set up weatherized workstation and calibrate equipment	Mabbett		0710-0740	0.5
Walk through DU04 soil boring locations	Mabbett, Cascade & USACE	1	0740-0755	0.25
Tailgate health and safety meeting	Mabbett & Cascade	1	0755-0815	0.33
Complete DPT sampling at DU4	Mabbett & Cascade	1	0815-1200	3.75
Katahdin lab courier service sample pickup (DPT samples from DU01-DU04)	Mabbett & Katahdin	1	1200-1305	1.08
Clean and secure site	Mabbett & Cascade	1	1305-1340	0.58

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held on arrival. Daily Health & Safety Meeting and Site Inspection Checklist #009 filled out by Site Superintendent with signatures for on-Site Staff including Cascade & USACE (Drew Clemens, Grace Greenberg). Reviewed Geoprobe and drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Katahdin	Sample Pickup

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	4.0
Mabbett	Mini-RAE PID	5.0
Cascade	Geoprobe 7822DT	3.75

ADDITIONAL REMARKS

- Performed 8 soil borings within DU04 with soil samples collected from 1-foot below grade to the bottom depth of the fill unit, and from the bottom of the fill unit to the 10-foot target depth of the soil boring from the Presumpscot tight silt interval.
- The locations of soil borings DU04-SS03 and DU04-SS03 were switched during field data collection. Corresponding maps will be updated to reflect the in-field labeling of the locations.
- DU04-SS04 was moved 12.5 east due to a treated pole at ground surface, and the Geoprobe was unable to go around to the other side of the pole due to the steepness of the slope at ground surface.
- During the advancement of the firstDU04-SS04 soil boring location, native Presumpscot tight silt was observed to a depth of 5-feet below ground surface without encountering the fill interval. As the absence of fill indicated that the revised location may be outside of DU04 (or at least the associated fill interval target), DU04-SS04 was relocated to 11-feet northeast of the original marked location, and updated GPS coordinates were collected.
- Fill was not encountered at DU04-SS04/SS06/SS08.
- Cascade did not have enough soil sampling sleeves to complete the soil boring program at DU05 & DU06 without running out. As weather conditions were poor, Mabbett authorized Cascade to depart early and resupply so that the remaining portions of the DPT program could be completed in better weather conditions.
- Reviewed changes to the storm drain investigation to compensate for utility mark-out complications with Drew Clemens (USACE). Mabbett provided technical justification email and updated figure to USACE PM in the afternoon for PDT approval. The revised approach includes walking in soil borings until the pipe bed fill is encountered due to reduced precision of the utility mark-out, and the relocation of the easternmost soil boring SB-203 to the southwest corner of the on-Site catch basin.
- PID screening data was low throughout DU04, with the exception of PID screening values ranging from 1.5-15.7 ppmv at DU4-SS02.

Prepared by Nicholas Podmaska, signed on his behalf by: Michael Bloom — August 9, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: August 9, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	13

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Nicholas V. Podmaska, GIT

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly sunny with 83% humidity and 9 mph winds from the northwest.	Broken clouds with 44% humidity and 13 mph wind from the northwest.	73	63

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Set up weatherized workstation and calibrate equipment	Mabbett	1	0640-0720	0.67
Drew Clemens (USACE) on-Site	USACE	1	0720	-
Walk to SB-312 sonic boring/well location to evaluate accessibility	Mabbett & USACE	1	0720-0740	0.33
Cascade on-Site	Mabbett & Cascade	1	0745	-
Tailgate health and safety meeting	Mabbett, USACE & Cascade	1	0750-0815	0.42
Complete DPT sampling at DU05	Mabbett & Cascade		0815-1100	2.75
Discuss drain line investigation, calls to respective PMs	Mabbett, Cascade & USACE	1	1100-1135	0.58
Walkthrough DU06 and setup workstation	Mabbett	1	1135-1145	0.17
Complete DPT sampling at DU6	Mabbett & Cascade	1	1145-1410	2.83
IDW management and staging, clean and secure Site.	Mabbett	1	1410-1540	1.5
Collect GPS location for DU04-SS04	Mabbett	1	15:40-15:50	0.17
Put up flagging for best clearing route for rig access to SB-312 sonic location	Mabbett		15:50-1620	0.5

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held on arrival. Daily Health & Safety Meeting and Site Inspection Checklist #010 filled out by Site Superintendent with signatures for on-Site Staff including Cascade & USACE (Drew Clemens). Reviewed Geoprobe and drilling specific safety requirements and hazards.

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	3.0
Mabbett	Mini-RAE PID	6.0
Cascade	Geoprobe 7822DT	6.0

ADDITIONAL REMARKS

- Performed 8 soil borings within each of the two DUs (DU05 and DU06) with soil samples collected from 1-foot below grade to the bottom depth of the fill unit, and from the bottom of the fill unit to the 10-foot target depth of the soil boring from the Presumpscot tight silt interval.
- Abundant fill material was encountered within DU05, where a maximum PID screening value of 4.2 ppmv was recorded at 9.5-feet bgs at DU05-SS01.
- Very little fill material was encountered at DU06, where PID screening values did not exceed 2 ppmv.
- Mabbett provided technical justification to the USACE PDT on the afternoon of 8/8 for the proposed modification to the drain line investigation scope, which included moving soil boring SB-203 to the southwest side on the exposed on-Site catch basin. When this plan was to be implemented, Cascade expressed that their corporate policy was not to drill within 5 lateral feet of the known or suspected location of a utility. Without having the higher precision utility mark-out, Mabbett initially was prepared to proceed as planned at a 5-foot setback; however, considering the unlikelihood that Cascade would be willing to step borings closer to the drain line until the pipe bed fill materials was intersected by a boring, the decision was made to delay the effort.
- Discussions between off-Site Mabbett, Cascade and the USACE PMs centered around obtaining written indemnification of liability for damage to the defunct drain from the owner (City of Bangor/BIA), and reviewing alternate viable methods for the investigation without having a high precision utility.
- Mabbett and USACE discussed the collection of equipment blanks during the DPT program. As all sampling components for the DPT program were single use/disposable, no equipment blanks were collected.
- One partial drum of soil IDW (staged at the exterior of the connex box) and one partial drum of aqueous IDW (staged inside of the connex box) were generated during the DPT program. Soil liners were wrapped in poly sheeting and staged within the connex box. Drums were labeled
- The US Army was camping on the tarmac during throughout the day.
- Cascade demobilized from the site in the afternoon, as authorization/indemnification to proceed with the storm drain line investigation will not be in hand for those soil borings to be installed 8/10.

Prepared by Nicholas Podmaska, signed on his behalf by: Michael Bloom — CONTRACTOR/SUPERINTENDENT — August 10, 2023 — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **August 28, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	14

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Cassidy E. Way, QEP

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly sunny with 90% humidity and no wind.	Broken clouds with 56% humidity and 6-7 mph wind from the south.	77	56

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Gather equipment and paperwork to begin week's sampling	Mabbett	3	0730-0800	0.5
Mark out ISM grid centers with DU07-SU03 using Arrow 100 + GPS Unit	Mabbett	3	0800-1200	4.0
Set-up workstation at DU07-SU03 and calibrate field equipment	Mabbett	4	1200-1230	0.5
Tailgate Health and Safety Meeting	Mabbett	4	1230-1255	0.42
Complete ISM sampling of DU07-SU03	Mabbett	4	1255-1630	3.58
Decon equipment, put gear away and cleanup site	Mabbett	4	1630-1655	0.42

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held when all staff on-site. Daily Health & Safety Meeting and Site Inspection Checklist #011 filled out by Site Superintendent with signatures for on-Site

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Arrow 100+ GPS Unit	8
Mabbett	Mini-RAE PID	4

ADDITIONAL REMARKS

- Completed ISM sampling at DU07-SU03 samples (DOW-DU07-A, DOW-DU07-B, DOW-DU07-C).
- Maximum PID reading of 4.3 ppm encountered at DU07-SU03-29-B at 6" below ground surface (bgs).
- Additional vegetation clearing is scheduled to be conducted the week of August 28 – September 1. Mabbett will coordinate site access and mark up paths that avoid knocking down trees with trunks larger than 3" in diameter.

Prepared by Cassidy E. Way, signed on her behalf by:

CONTRACTOR/SUPERINTENDENT

August 28, 2023
DATE

PHOTO 001: Photograph of core with highest PID reading within DU07-SU03. Peak PID reading measured at 6” below ground surface (bgs)

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **August 29, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	15

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Cassidy E. Way, QEP

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly sunny with 90% humidity. 6-8 mph wind from the south.	Broken clouds with 60% humidity. 12-16 mph wind from the south.	76	67

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Organize equipment, calibrate meters and mobilize gear to DU07-SU04	Mabbett	4	0715-0745	0.50
Tailgate Health and Safety Meeting	Mabbett	4	0745-0800	0.25
Collect ISM samples from DU07-SU04	Mabbett	4	0800-1120	3.33
Decon equipment used at DU07-SU04	Mabbett	4	1120-1125	0.08
Lunch Break	Mabbett	4	1125-1155	0.50
Mobilize equipment to DU07-SU05 and collect ISM sample	Mabbett	4	1155-1530	0.42
Complete DU07-SU05. Decon equipment and demob gear to connex trailer	Mabbett	4	1530-1615	0.75

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held when all staff on-site. Daily Health & Safety Meeting and Site Inspection Checklist #012 filled out by Site Superintendent with signatures for on-Site

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Arrow 100+ GPS Unit	7.5
Mabbett	Mini-RAE PID	7.0

ADDITIONAL REMARKS

- Max PID reading within DU07-SU04 of 26.7 ppm at DU07-SU04-28-A
- Max PID reading within DU07-SU05 of 102 ppm at DU07-SU05-8-C and DU07-16-B
- No obvious staining, odors or texture changes were observed in cores that produced high PID readings. Both SUs are located within localized stands of pine trees and PID hits are suspected to be the result of decaying organic matter in poorly drained soils.
- Vegetation clearing for proposed monitoring well locations now scheduled to begin on Thursday 08/31/2023. Crew will focus on sampling DU07-SU06 and DU07-SU07 on Weds 08/30.

Prepared by Cassidy E. Way, signed on her behalf by: 

CONTRACTOR/SUPERINTENDENT — August 29, 2023 — DATE

PHOTO 001: Work area in woods at DU07-SU04. Note pine trees around work area.

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **August 30, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	16

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Cassidy E. Way, QEP

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy with 93% humidity. 3-5 mph wind from the east.	Broken clouds with 90% humidity. 12-16 mph wind from the south.	72	66

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Tailgate Health and Safety Meeting, pack samples for courier pickup	Mabbett	4	0715-0745	0.50
Clear path to DU07-SU06 and set up workstation for ISM Sampling	Mabbett	4	0745-0820	0.58
Light rain begins at 1005	Mabbett	4	1005	-
Courier pickup of samples collected Monday-Tuesday	Mabbett	4	1140	-
Collect ISM Samples from DU07-SU06	Mabbett	4	0820-1200	3.66
Lunch Break	Mabbett	4	1205-1245	0.66
Mobilize workstation to DU07-SU07	Mabbett	4	1245-1305	0.33
Collect ISM Samples from DU07-SU07	Mabbett	4	1305-1545	2.66
Decon sampling equipment and demob equipment and bottleware to connex trailer	Mabbett	4	1545-1605	0.33

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held when all staff on-site. Daily Health & Safety Meeting and Site Inspection Checklist #012 filled out by Site Superintendent with signatures for on-Site

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Arrow 100+ GPS Unit	7.5
Mabbett	Mini-RAE PID	7.5

ADDITIONAL REMARKS

- Max PID reading within DU07-SU06 of 22.3 ppm at DU07-SU06-2-A
- Max PID reading within DU07-SU07 of 32.3 ppm at DU07-SU07-4-A
- Light rain was encountered at the site in mid-morning. No thunder or lightning was observed. DU07 was completed today. An equipment blank will be collected in the morning.
- Vegetation clearing for proposed monitoring well locations now scheduled to begin on Thursday 08/31/2023. Crew will focus on sampling DU07-SU06 and DU07-SU07 on Weds 08/30.

Prepared by Cassidy E. Way, signed on her behalf by: 

CONTRACTOR/SUPERINTENDENT — August 30, 2023 — DATE

PHOTO 001: DOW-DU07-SU06-2-A Boring photo. PID reading of 22.6 ppm was recorded in this boring. No odor or staining were observed in soil core.

PHOTO 002: ISM workstation set up at DU07-SU06. Pop-up tent used to protect paperwork and samples from light rains.

PHOTO 003: DOW-DU07-SU07-4-A Boring photo. PID reading of 32.3 ppm was recorded in this boring. No odor or staining were observed in soil core.

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **August 31, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	17

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Cassidy E. Way, QEP

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Broken clouds with 69% humidity. 15 mph wind from northwest	Passing clouds with 40% humidity. 14 mph wind from the northwest	70	59

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Tailgate Health and Safety Meeting.	Mabbett, Maine Tree & Landscape	6	0715-0735	0.33
Gather equipment and collect equipment blank for DU07	Mabbett	4	0735-0805	0.5
Clear paths to proposed sonic drilling locations	Mabbett, Maine Tree &Landscape	3	0830-1315	4.66
Mobilize workstation to DU08-SU04 and Premark grid centers	Mabbett	3	0805-0905	1.0
Collect ISM sample, and replicates for DU08-SU04	Mabbett	3	0905-1220	3.25
Lunch Break	Mabbett	3	1230-1300	0.5
Mobilize workstation to DU08-SU03	Mabbett	3	1300-1325	0.42
Collect ISM sample for DU08-SU03	Mabbett	3	1325-1500	1.42
Mobilize workstation to DU08-SU05	Mabbett	3	1500-1530	0.5
Collect ISM sample for DU08-SU05	Mabbett	3	1530-1645	1.25
Set up logs and cribbing in wet spots on trails to sonic drilling locations	Mabbett, Maine Tree &Landscape	3	1400-1715	3.25
Demob work station and decon tooling	Mabbett	3	1645-1715	0.5

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held when all staff on-site. Daily Health & Safety Meeting and Site Inspection Checklist #013 filled out by Site Superintendent with signatures for on-Site personnel and on-site subcontractors

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Arrow 100+ GPS Unit	7.5
Mabbett	Mini-RAE PID	7.5
Maine Tree & Landscape	Gyro-Trac forestry brush hogger	6
Maine Tree & Landscape	Caterpillar 239D3 skid steer	6

ADDITIONAL REMARKS

- Paths were cut to all proposed sonic boring locations.
- Proposed location for SB-308 was moved north. Current location has rig advancing coring in standing water in the middle of a localized wetland. Moving proposed location will improve safety by reducing potential for slips, trips and falls damage and reduce potential damage to sensitive habitats.
- ISM samples collected from DU08-SU03, SU04 and SU05.
- Peak PID reading of 27.6 ppm measured in DU08-SU04-20-C.
- No VOCs detected via PID in cores within DU08-SU03 and DU0U-SU05.

Prepared by Cassidy E. Way, signed on her behalf by: 

CONTRACTOR/SUPERINTENDENT — August 31, 2023 DATE

PHOTO 001: Forestry brush hogger. Trails were marked out and cleared to avoid removing trees with limb diameters greater than 3”

PHOTO 002: Collecting cores with DU08-SU04.

PHOTO 003: Skid steer equipped with log grabber. Machine was used to position logs over wet areas to allow sonic drill rig to travserse without leaving ruts in the soil.

PHOTO 004: Trail cut adjacent to snow mobile trail in woods to allow access to proposed monitoring well locations.

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 1, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	18

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Cassidy E. Way, QEP

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny with 83% humidity. 5 mph wind from west	Sunny with 42% humidity. 7 mph wind from the north	77	53

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pack samples collected already, tailgate H&S prep for field sampling	Mabbett	4	0810-0840	0.5
Mob to DU08-SU07 and set up sampling workstation	Mabbett	4	0840-0910	0.5
Collect ISM sample DU08-SU07 and mark out grid centers for remaining DU08 SUs	Mabbett	4	0910-1050	1.67
Move workstation to DU08-SU06	Mabbett	4	1050-1115	0.42
Collect ISM sample DU08-SU06	Mabbett	4	1115-1230	1.25
Demob equipment to connex trailer	Mabbett	4	1230-1308	0.63
Take samples to analytical laboratory	Mabbett	2	1308-1508	2

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held when all staff on-site. Daily Health & Safety Meeting and Site Inspection Checklist #014 filled out by Site Superintendent with signatures for on-Site personnel and on-site subcontractors

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Arrow 100+ GPS Unit	5
Mabbett	Mini-RAE PID	5

ADDITIONAL REMARKS

- DU01-DU07 ISM sampling complete. 5 out of 7 DU08-SUs complete.
- Peak PID reading of 12.1 ppm measured in DU08-SU06 increment 10 at 6” bgs.

Prepared by Cassidy E. Way, signed on her behalf by:

CONTRACTOR/SUPERINTENDENT

September 1, 2023
DATE

PHOTO 001: IDW drum consisting of soil cuttings from the direct push technology (DPT) soil investigation. Drum staged next to connex trailer and secured with plastic wrap.

PHOTO 002: Drum Labels for IDW Drum.

PHOTO 003: Soil core for DU08-S806-10 which had a peak PID reading of 12.1 ppm at a depth of 6” below ground surface (bgs)

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 11, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	19

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin C. Idzenga, PG

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Low clouds with 93% humidity and 3 mph winds from the north.	Cloudy with light to heavy passing rain with 86% humidity and 4 mph wind from the north.	72	64

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0815-0845	0.5
Organized bottle ware and equipment. Site walk	Mabbett	1	0845-0900	0.25
Drew Clemens on-Site. Field team drove to the National Guard facility to observe exposed outcrop of the Brewer Formation. Conduct Site walk and identified all 12 monitoring well points. Evaluate difficult to access areas near MW-308, MW-309, MW-310, and MW-312. Mark out monitoring well locations. Set up weatherized workstation and calibrate equipment.	Mabbett & USACE	1	0900-1250	3.50
Cascade on-Site.	Cascade	1	1250	0.00
Cascade staged equipment. Complete Site walk with Cascade. Located areas of increase mud and water between monitoring well points. Filled 2 - 275-gallon totes with water from hydrant tap off of Hildreth Road North.	Mabbett, Cascade & USACE		1250-1420	1.5
Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett, Cascade & USACE	1	1420-1450	0.50
Cascade setting up on MW-302. Getting equipment together. Mabbett setting up sampling table.	Mabbett & Cascade	1	1450-1600	1.2
Perform sonic drilling at MW-302 to 25-feet. Discrete soil sample collected at 22'-24'	Mabbett & Cascade	1	1600-1730	1.5
Debriefing, clean and secure site	Mabbett & Cascade	1	1730-1745	0.25

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES ☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES ☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES ☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES ☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #015 filled out by Site Superintendent with signatures for on-Site staff including Cascade & USACE (Drew Clemens). Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Cascade	Sonic Drill Rig, including supporting materials (core barrels, override casing, etc.)
Cascade	Skid steer
Cascade	IDW containers (55-gallon steel drums) and non-potable water totes

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	9.5
Mabbett	Mini-RAE PID	1.5
Cascade	Track Mounted Sonic Rig	5

ADDITIONAL REMARKS

- Reviewed alternate locations for MW-303, MW-312, and MW-308 with Drew Clemens and Cascade.
- Drew Clemens expressed USACE's preference for splitting the difference between the original location of MW/SB-308and proposed location for and MW/SB-308R to keep the well/boring as close as feasible to the debris area at the southwestern portion of DU04. Final location was marked in the field.
- Conferenced with Drew Clemens regarding placing gravel (bluestone) in between the logs placed in the mud portions of the existing trail between MW-309 and MW-312. Mabbett is requesting USACE authorization to place gravel to stabilize particularly muddy portions of the existing recreational trail to enable rig and support skid steer access to MW/SB-312. A 5' thick glacial till interval was identified atop of the bedrock surface from 19'-24' bgs.
- Advanced one sonic boring to 25' (one foot below top of bedrock) at MW/SB-302. A one-foot intact rock core was acquired from 24'-25'. One discrete soil sample was collected from 22'-24' for VOCs (Terracore), PAHs', and TAL metals.
- A lab courier pickup is scheduled for tomorrow afternoon. All samples will be submitted within the holding time.
- Remainder of boring (anticipated to be 25'-30') will be completed 9/12.
- PID screening data was low throughout the first 10' feet of MW-302. Highest reading was 3.3 ppmv at the top of the boring within the broken concrete tarmac.

Prepared by Justin Idzenga, signed on his behalf by: Michael Bloom — CONTRACTOR/SUPERINTENDENT — September 12, 2023 — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 12, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	20

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin C. Idzenga, PG

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Light rain and fog with 95% humidity and 4 mph winds from the southeast.	Drizzle and fog with 93% humidity and 4 mph winds from the southeast.	70	64

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0630-0645	0.25
Onsite. Prepared Sampled for pickup. Cascade already onsite.	Mabbett	1	0645-0705	0.33
Drew Clemens onsite. Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett, Cascade & USACE	1	0705	0.0
Cascade staged equipment, topped off water totes, and built a decontamination pad on the tarmac east of MW-302 and south of the Conex box. Cascade drilled MW-302 to 30'. Monitoring well set to 29' and screened 29'-19'. Top of bedrock is 24'.	Mabbett, Cascade & USACE	1	0705-1205	5.0
Patrick from Maine Tree and Landscapes onsite. Eli and Patrick complete site walk to observed vertically placed Fir trees on the muddy path between MW-309 and MW-312. Patrick broke down the fir tree into woodchips to increase path stability for the drill rig and skid steer. Patrick offsite at 1030.	Mabbett	1	0900-1030	1.5
Uniship on and offsite to pick up samples taken from 22'-24' at MW-302.	Mabbett	1	1054-1057	.05
Justin, Drew, and Eli offsite to observe stickup wells finished with coarse sand and gravel. Sand and gravel packs may be used in place of cement well pads due to frost jacking caused by the Presumpscot Clay. Drew offsite at 1300.	Mabbett & USACE		1205-1300	0.92
Perform sonic drilling at MW-305 to 37'. Bedrock at 33.5'. Discrete sample collected at 33.5'-31.5'.	Mabbett & Cascade	1	1300-1645	3.75
clean and secure site	Mabbett & Cascade	1	1645-1700	0.25

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES ☐ NO	
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES ☒ NO	
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES ☒ NO	
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES ☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #016 filled out by Site Superintendent with signatures for on-Site staff including Cascade & USACE (Drew Clemens). Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Landscaper	Brush Hog
Cascade	Skid Steer
Cascade	IDW containers (55-gallon steel drums) and non-potable water totes

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	10.5
Mabbett	Mini-RAE PID	10.5
Landscaper	Brush Hog	1.5
Cascade	Track Mounted Sonic Rig	10.5
Cascade	Skid Steer	10.5

ADDITIONAL REMARKS

- Resumed MW/SB-302 bedrock core, completed to 30 feet bgs, with RQDs indicative of competent bedrock.
- Discussed well completion specifications with Drew Clemens, who reiterated that the previous no bedrock investigation limitation for the project had been removed. Consensus decision between Mabbett and USACE was made to keep the QAPP specified 10-foot well screen section, and install a hybrid well within the top 5-feet of bedrock and extending to the top of the glacial till interval. This approach is more conservative as the well screen will also capture contaminants (solvent) if present in the surficial bedrock interval, and will provide continuity for well screen intervals in other portions of the site if the till layer is not present (strictly deep overburden wells would be anticipated to be dry in this situation if not installed with the screen in the surficial bedrock).
- Land clearing contractor returned to site to evaluate recreational trail access to MW/SB-312 and perform additional clearing to move MW/SB-303 to the south to provide appropriate distance between the boring/well and the unmarked storm drain line. While on-Site, also used brush hog to grind down the tops of the logs placed to facilitate access to well locations along the recreational trail.
- Drew Clemens recommended that all stickup wells (which excludes MW-302 installed in the existing tarmac) should be finished with a sand and gravel pack rather than a cement pad. Due to the upward displacement caused by the freezing of the Presumpscot Clay, also known as frost jacking or frost

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heaving, a cement pad may be dislodged from the stickup well and be displaced several inches upward. To remedy this, Drew recommends a sand and gravel pack that was used at other stickup wells at a nearby salvage yard.

- A lab courier pickup is scheduled for tomorrow afternoon. All samples will be submitted within the holding time.
- Monitoring well MW-305 will be installed by cascade first thing in the morning 9/13.
- PID screening data ware low throughout most of the MW-305 Boring. Highest reading was 2.9 ppmv at the 8' depth.

Prepared by Justin Idzenga, signed on his behalf by: Michael Bloom — September 13, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 13, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	21

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin C. Idzenga, PG

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Low clouds with 92% humidity and 6 mph winds from the south.	Mostly cloudy with 86% humidity and 8 mph winds from the south.	75	66

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0630-0645	0.25
Onsite. Prepared Sampled for pickup. Cascade already onsite.	Mabbett	1	0645-0700	0.25
Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett & Cascade	1	0700	0.0
Cascade drilled MW-305 to 37'. Monitoring well set to 37' and screened 37'-27'. Top of bedrock is 32'.	Mabbett & Cascade	1	0700-1030	3.5
Cascade drilled MW-301 to 41'. Well set at 40'-30' with a foot of bentonite chips one foot below. Top of bedrock is 35'. Cascade refilled both 275' totes from the nearby hydrant.	Mabbett & Cascade	1	1030-1700	6.5
Katahdin on and offsite to pick up sample taken from 31.5'-33.5' at MW-305.	Mabbett	1	1100-1105	.08
Completed gauging of MW-301, MW-302, and MW-305	Mabbett	1	1645-1700	0.25
Clean and secure site	Mabbett & Cascade	1	1700-1715	0.25

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #017 filled out by Site Superintendent with signatures for on-Site staff including Cascade. Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	10.75
Mabbett	Mini-RAE PID	10.75
Cascade	Track Mounted Sonic Rig	10.75
Cascade	Skid Steer	10.75

ADDITIONAL REMARKS

- Resumed MW/SB-305 bedrock core, completed to 37 feet bgs, with RQDs indicative of competent bedrock. Well set at 37' with 10 feet of screen set at the 37'-27 interval.
- MW/SB-301 was drilled to 41', well screen set at the 40'-30' interval with top od bedrock located at 35'.
- Drum inventory taken: 6 – return water, 3 – soil cuttings and cores, 1 soil ISM, & 1 plastic sheeting and Geoprobe sleeves from subsurface ISM.
- A round of water level gauging was conducted at the end of the day:
  - MW-301 depth to water (DTW) = 2.31, total well depth (TWD) = 40.21
  - MW-302 DTW = 3.75, TWD = 29.06
  - MW-305 DTW = 0.85, TWD = 36.50
- A lab courier pickup is scheduled for tomorrow afternoon. All samples will be submitted within the holding time.
- Monitoring well MW-304 will be drilled by cascade first thing in the morning 9/14.
- PID screening data were low throughout most of the MW-301 Boring. Highest reading was 2.9 ppmv at the 27' depth.
- Mabbett & USACE geologists discussed changes to proposed well development scope to account for heavy fines content of the glacial till layer overlying bedrock. Concurrence on performance based approach with Waterra hydrolift and whale pump for drawdown and groundwater quality parameters.
- Mabbett discussions on Hurricane Lee tracking for Maine, anticipating weather impacts Saturday 9/16 with heavy rain and 30+ mph winds, with favorable conditions returning mid-day Sunday 9/17.

Prepared by Justin Idzenga, signed on his behalf by: Michael Bloom — CONTRACTOR/SUPERINTENDENT — September 14, 2023 — DATE

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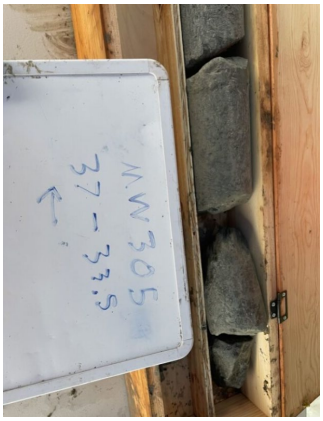

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 14, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	22

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin C. Idzenga, PG

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Light rain and fog with 95% humidity and 4 mph winds from the southeast.	Drizzle and fog with 93% humidity and 4 mph winds from the southeast.	70	64

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0630-0645	0.25
Onsite. Prepared Sampled for pickup. Cascade already onsite.	Mabbett	1	0645-0700	0.25
Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett & Cascade	1	0700	0.0
Completed gauging of MW-301, MW-302, and MW-305	Mabbett	1	0730-0745	0.25
Cascade drilled MW-304 to 35'. Monitoring well set to 35' and screened 35'-25'. Top of bedrock is 30'. Sample SB-304 collected at the 30'-28' interval at 10:00.	Mabbett & Cascade	1	0730-1300	5.5
Cascade drilled MW-306 to 26'. Monitoring well set to 26' and screened 26'-16'. Top of bedrock is 21.5'. Sample SB-306 collected at the 21.5'-20' interval at 15:45. DUP10 was taken from this location.	Mabbett & Cascade	1	1330-1700	3.5
Uniship on and offsite to pick up samples: MW-301 35'-33' at 14:00 (9/13/23) and MW-304 30'-28' at 10:00	Mabbett	1	1100-1105	.08
Completed gauging of MW-301, MW-302, MW-304, and MW-305	Mabbett	1	1645-1700	0.25
clean and secure site	Mabbett & Cascade	1	1700-1715	0.25

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #016 filled out by Site Superintendent with signatures for on-Site staff including Cascade & USACE (Drew Clemens). Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Cascade	Skid Steer
Cascade	IDW containers (55-gallon steel drums) and non-potable water totes

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	10.75
Mabbett	Mini-RAE PID	10.75
Cascade	Track Mounted Sonic Rig	10.75
Cascade	Skid Steer	10.75

ADDITIONAL REMARKS

- Drilled MW-304, completed to 35 feet bgs to bedrock. Bedrock at this location appeared more fractured with a very low RQD compared to the other locations. Thin laminae, slickensides, and iron staining present within the broken-up dark grey Siltstone. Well set at 35' with 10 feet of screen set at the 35'-25' interval. MW-306 was drilled to 26', well screen set at the 26'-16' interval with top od bedrock located at 21.5'. RQD of 74%; highest out of the five soil borings drilled so far.
- Drum inventory taken: 10 – return water, 5 – soil cuttings and cores, 1 soil ISM, & 1 plastic sheeting and sleeves.
- A round of water level gauging was conducted at the beginning and at the end of the day. (Measured below ground surface)
  - 07:30
    - MW-301 DTW: 2.68
    - MW-302 DTW: 3.77
    - MW-305 DTW: 0.75
  - 16:45
    - MW-301 DTW: 2.60
    - MW-302 DTW: 3.80
    - MW-304 DTW: 1.10
    - MW-305 DTW: 0.80
- Samples collected the afternoon of 9/14 and the morning of 9/15 will be dropped off at the lab by a Mabbett employee on the way back to the office.
- Monitoring well MW-306 will be finished by cascade first thing in the morning 9/15.
- A well pad will be built tomorrow for MW-302 in the tarmac. Cascade will have to rent a drill and pick up cement in the morning.

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- PID screening data were low throughout most of the MW-304 and MW-306 Boring. Highest reading was 2.5 ppmv at the 7’ depth and 1.8 ppmv at the 8’ depth respectively .

Prepared by Justin Idzenga, signed on his behalf by:  September 14, 2023

CONTRACTOR/SUPERINTENDENT DATE


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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 15, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	23

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin C. Idzenga, PG

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Cloudy with 3-6 mph winds from the west and northwest. 89% humidity	Partly cloudy with 12-18 mph wind from north. 57% humidity	67	53

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Pickup ice and field supplies	Mabbett	1	0645-0700	0.25
Cascade onsite with rented saw and cement. Prepared Samples for drop off at the lab later today	Mabbett	1	0700-0715	0.25
Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett & Cascade	1	0715	0.0
Completed gauging of MW-301, MW-302, MW-304, MW-305, and MW-306	Mabbett	1	0730-0745	0.25
Cascade grouted well MW-306. MW-306 was set at 26' and screened 26'-16'. Top of bedrock is 21.5'. Sample SB-306 collected at the 21.5'-20' interval at 13:45. (DUP9 was taken at this location)	Mabbett & Cascade	1	0730-1300	5.5
Cascade used rented saw to cut into the tarmac to create the base of the well pad for MW-302. Following cutting, Cascade mixed cement and filled in the cement well pad. Cascade secured equipment for the weekend storm.	Mabbett & Cascade	1	1330-1700	3.5
Mabbett took drum inventory and covered drums with a tarp. Tarp was secured with rope and bungie cords.	Mabbett	1	1100-1105	.08
clean and secure site	Mabbett & Cascade	1	1100-1115	0.25

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #016 filled out by Site Superintendent with signatures for on-Site staff including Cascade. Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Cascade	Skid Steer
Cascade	IDW containers (55-gallon steel drums) and non-potable water totes

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	10.75
Mabbett	Mini-RAE PID	10.75
Cascade	Track Mounted Sonic Rig	10.75
Cascade	Skid Steer	10.75

ADDITIONAL REMARKS

- Drum inventory taken: 9 – return water, 5 – soil cuttings and cores, 1 soil ISM, & 1 plastic sheeting and sleeves.
- Drums were covered with tarp and secured at the conclusion of field work.
- A round of water level gauging was conducted at the beginning and at the end of the day. (Measured below ground surface)
  - MW-301 DTW: 2.70
  - MW-302 DTW: 3.92
  - MW-304 DTW: 4.10
  - MW-305 DTW: 0.80
  - MW-306 DTW: 2.95

Prepared by Justin Idzenga, signed on his behalf by: _____ September 15, 2023

CONTRACTOR/SUPERINTENDENT DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 18, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	24

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David W. Martin

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Mostly cloudy with 1 mph winds from the southwest and northwest. 86% humidity	Light rain with 6 mph wind from southeast. 88% humidity	64	57

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett & Cascade on-Site.	Mabbett & Cascade	1	0900	0.00
Cascade remobilized with new sonic crew (Dennis & Rob) perform sonic drilling.	Cascade	1	0900-0900	0.00
Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett & Cascade	1	0900-0930	0.50
Cascade unloading equipment and IDW containers	Cascade	1	0930-00945	0.25
Site walk to review boring/well locations with new Cascade crew	Mabbett & Cascade	1	0945-1015	0.50
Preparation and setup for soil boring SB/MW-307	Mabbett & Cascade	1	1015-1100	0.75
Cascade drilled MW-306 to 33.5'. Monitoring well set to 32' and screened 32'-22'. Top of bedrock is 27'. Sample SB-306 collected at the 25'-27' interval at 12:50.	Mabbett & Cascade	1	1100-1730	6.50
Tracy Dorgan (USACE) on-Site.	USACE	1	1400-1800	4.00
Clean and secure site	Mabbett & Cascade	1	1730-1800	0.50

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #017 filled out by Site Superintendent with signatures for on-Site staff including Cascade. Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Cascade	Plastic mats
Cascade	IDW containers (55-gallon steel drums)

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	3.50
Mabbett	Mini-RAE PID	5.25
Cascade	Track Mounted Sonic Rig	7.0
Cascade	Skid Steer	7.0

ADDITIONAL REMARKS

- Reviewed southern soil boring locations to be accessed via the recreational trail. Additional rain over the weekend (and forecast overnight 9/18-9/19) from Hurricane Lee has exacerbated standing water and saturated soil conditions across the majority of the recreational trail needed to access SB/MW-308R, SB/MW-309, SB/MW-310, and SB/MW-3012R. Original plan and volumetric estimates to stabilize the recreational trail for drilling access with fine free gravel needs to be reevaluated.
- Tracy Dorgan (USACE) raised concern about Mabbett field lead David W. Martin serving as SSHO for the field crew, as he was not listed as an alternate SSHO in the APP for this mobilization. Mabbett's PM prepared an APP addendum, including CV, OSHA HAZWOPER training certificates, and CPR/AED & First Aid training records, which were submitted to the USACE PM for expedited approval in the evening of 9/18.
- Reviewed SB/MW-303 and SB/MW-311 locations along the geophysical delineated drain line path. USACE expressed concern about backing the borings away from the drain line location, as the intent of those locations is to evaluate potential contaminant migration via the drain line path and associated pipe bed materials. Mabbett loaded the geophysical delineation (2017) remotely onto the on-Site GPS unit. The geophysical identified delineation will be marked in the field tomorrow (9/19) and the soil borings/well installed at the closest "safe" distance possible proximate to the originally proposed locations.

Prepared by David Martin, signed on his behalf by: Michael R Bloom — CONTRACTOR/SUPERINTENDENT — September 19, 2023 — DATE

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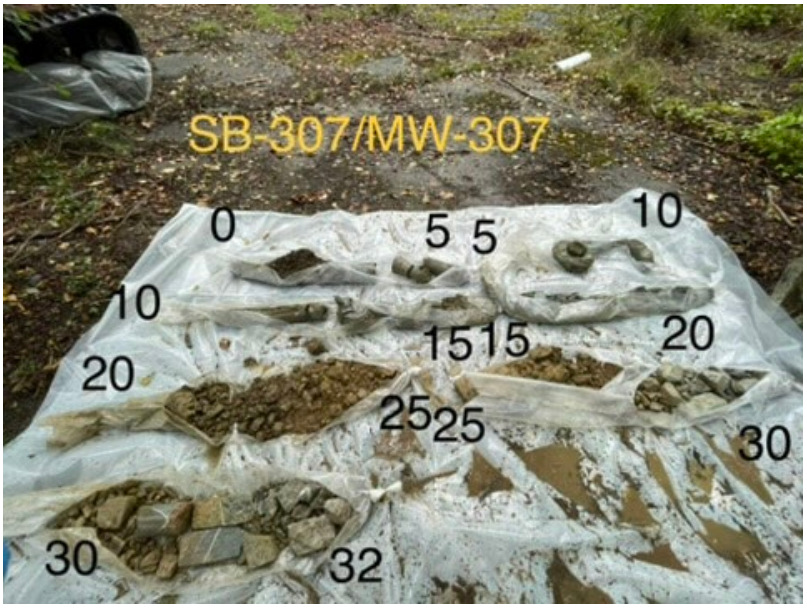

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 19, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	25

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David W. Martin

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Fog with light rain and 7 mph winds from the west. 90% humidity	Broken clouds with 7 mph wind from west and southwest. 74% humidity	70	61

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett & Cascade on-Site.	Mabbett & Cascade	1	0700	0.00
Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett & Cascade	1	0700-07150	0.25
Setup for sonic drilling at SB/MW-303.	Mabbett & Cascade	1	0715-0800	0.75
Tracy Dorgan (USACE) on-Site.	USACE	1	0800	0.00
Call with on-Site staff and Mabbett management to discuss SB/MW-303 and SB/MW-311 locations, recreational trail access issues, clearing and erosion controls.	Mabbett, USACE & Cascade	1	0800-0845	0.75
Site walk to view access constraints and changed conditions along recreational trail for locations SB/MW-308R, SB/MW-309, SB/MW-310 and SB/MW-312R.	Mabbett, USACE & Cascade		0845-1000	1.25
Mark out geophysical drain line path with GPS proximate to SB/MW-303 and SB/MW-311.	Mabbett	1	1000-1100	1.00
Decon, preparation and setup for soil boring SB/MW-303	Mabbett & Cascade	1	1100-1300	2.00
Cascade drilled MW-303 to 20'. Monitoring well set to 19' and screened 19'-9'. Top of bedrock is 14'. Sample SB-303 collected at the 12'-14' interval.	Mabbett & Cascade	1	1300-1700	4.00
Clean and secure site	Mabbett & Cascade	1	1700-1730	0.50

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES ☐ NO	
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES ☒ NO	
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES ☒ NO	
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES ☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #017 filled out by Site Superintendent with signatures for on-Site staff including Cascade. Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Mabbett	Sedimentation controls

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	4.5
Mabbett	Mini-RAE PID	4.0
Cascade	Track Mounted Sonic Rig	6.0
Cascade	Skid Steer	7.0

ADDITIONAL REMARKS

- Tracy Dorgan (USACE) raised concerns about previously completed clearing, implementation of sedimentation controls (no soil borings had been completed to date proximate to wetland areas), and accessing the southern well locations via the recreational trail with an emphasis on potential cross contamination resulting on repeated use of the trail.
- Mabbett marked out the geophysical delineation of the drain line with the GPS proximate to SB/MW-303 and SB/MW-311 locations. As planned location of SB/MW-303 location was confirmed to be safe distance from the drain line and installed accordingly.
- Call between Mabbett & USACE PMs and select technical leads at 1600, the result of which was the postponement of completing the four southern well/boring locations (SB/MW-308R, SB/MW-309, SB/MW-310 and SB/MW-312R) until an access plan can be updated for current site conditions. Cascade will demobilize the sonic rig after the completion of SB/MW-311 tomorrow (9/20) as to not incur additional down time charges.

Prepared by David Martin, signed on his behalf by: Richard Bloom — CONTRACTOR/SUPERINTENDENT — September 20, 2023 — DATE

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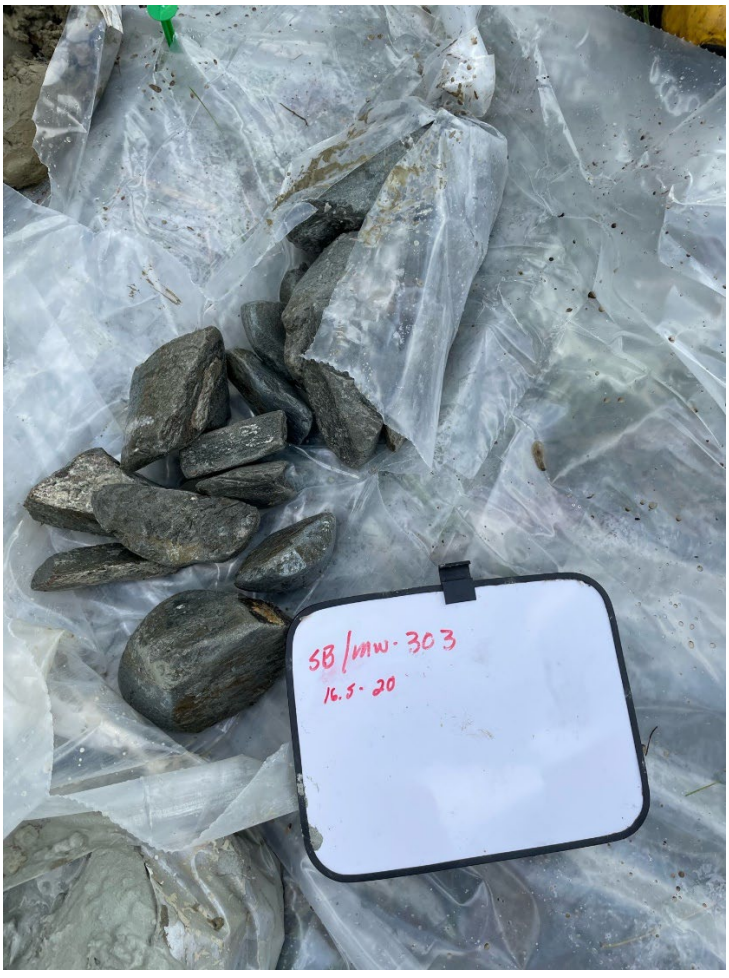

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 20, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	26

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	David W. Martin

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Passing clouds and 6 mph winds from the west. 78% humidity	Broken clouds with 16 mph wind from northwest. 51% humidity	71	57

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett & Cascade on-Site.	Mabbett & Cascade	1	0655	0.00
Tailgate health and safety meeting prior to Sonic Drilling.	Mabbett & Cascade	1	0700-0715	0.25
Use GPS to locate historical utility corridor that runs adjacent to proposed location for SB-311.	Mabbett	1	0715-0745	0.5
Attempt to access proposed location for SB-311 in woods. Cascade asks to move location slightly to get move away from dense tree cover.	Mabbett & Cascade	1	0715-0830	1.25
Advance SB-311 and install MW-311	Mabbett & Cascade	1	0830-1130	3.0
Tracy Dorgan (USACE) on-site	Mabbett & Cascade	1	0910	0.0
Finish well pad for MW-311	Mabbett & Cascade	1	1130-1330	2.0
Collect equipment blank off of Sonic tooling	Mabbett & Cascade	1	1450-1505	0.25
Clean and secure site	Mabbett & Cascade	1	1505-1535	0.50

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #018 filled out by Site Superintendent with signatures for on-Site staff including Cascade. Reviewed sonic drilling specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Mabbett	Sedimentation controls

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	4.5
Mabbett	Mini-RAE PID	3
Cascade	Track Mounted Sonic Rig	6.0
Cascade	Skid Steer	6.0

ADDITIONAL REMARKS

- Used GPS to locate utility corridor identified during Geophysical investigation. Utility corridor located adjacent to proposed location for SB-311.
- SB-311 advanced to a total depth of 22' below ground surface (bgs). Fractured rock encountered at 14'. Bedrock encountered at 15'. Soil sample collected at 12-14' bgs.
- MW-311 screened interval set at 10-20' bgs.
- Collected water depths at newly installed MW-311. DTW = 1.75'. DTB = 19.41'

Prepared by David Martin, signed on his behalf by: Stephen Vedue — CONTRACTOR/SUPERINTENDENT — September 21, 2023 — DATE

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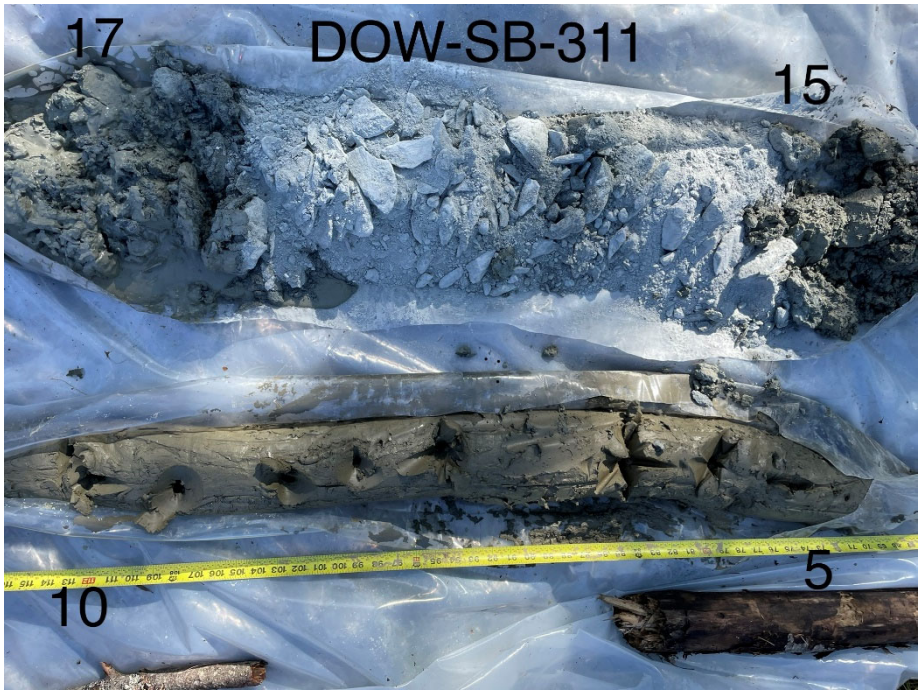

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 21, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	27

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Michael L. Bloom, PG, CPG

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Scattered clouds and 7 mph winds from the north. 73% humidity	Passing clouds with 12 mph wind from north. 47% humidity	72	52

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett on-Site.	Mabbett	1	0730	0.00
Cascade demobilization of sonic rig and support equipment.	Cascade	1	0700-1100	3.00
Tailgate health and safety meeting.	Mabbett & Cascade	1	0730-0745	0.50
Collect composite soil and aqueous waste characterization samples	Mabbett	1	0745-1145	4.0
Site walk to document conditions for remaining sonic boring/well locations SB/MW-308R, SB/MW-309, SB/MW-310 and SB/MW-312R.	Mabbett	1	1145-1315	1.50
Development of MW-303	Mabbett	1	1300-1730	4.50
Sample drop off at Kathadin (Equipment blank, IDW Characterization)	Mabbett & Cascade	1	1400-1645	2.75
Clean and secure site	Mabbett & Cascade	1	1730-1800	0.50

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #019 filled out by Site Superintendent with signatures for on-Site staff.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Wattera Hydrolift Actuator	4.5
Mabbett	Turbidity Meter	4.5
Cascade	Water Level Meter	4.5

ADDITIONAL REMARKS

- Collected composite soil (DOW-SWC-01) and aqueous (DOW-AQWC) IDW characterization samples for QAPP/FSP listed analytical parameters. Coordination with disposal contractor and Kathadin for preferred PFAS compound list and analytical methods. Placed PFAS specific bottle ware request.
- Took drum inventory and inspected accumulation area following opening all drums for waste characterization sampling.
- Conditions to access four remaining wells have improved since earlier in the week when the decision was made to reevaluate the access plan. Limited areas of stabilization still necessary to address common access route that will be necessary for all 4 locations proximate to DU07-SU02, assuming no drastic improvement in conditions. A larger area requiring stabilization under current conditions is located between SB/MW-309 and SB/MW-312R. Mabbett will produce and distribute a Figure with inset photos to assist in the visualization of conditions and the development of an appropriate access plan.
- Development of MW-303: setup dual surge block with foot valve spaced to target 2.5-foot section of the well screen. Used Wattera Hydrolift Actuator to surge 2.5-ft sections of the well. Turbidity improvements were documented in the bedrock portion (lower) of the well screen but remained over the range of the turbidity meter in the till portion (higher) of the well screen. Terminated surge blocking of the upper 2.5-ft portions of the well screen after 15-gallons (11.5-14' bgs) and 20-gallons (9-11.5' bgs) recovered per respective interval. Very little drawdown (0.2') of the water column was observed during surge block groundwater recovery, at a rate of 0.5 gallons per minute.
- Whale pumping scheduled to be performed at MW-303 on 9/22.

Prepared by Michael L. Bloom, PG, CPG: Michael L. Bloom — CONTRACTOR/SUPERINTENDENT — September 25, 2023 — DATE

View of current condition of common access route proximate to DU07-SU02.

View of current condition of common access route to the south beyond DU07-SU02.


POLARIS

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **September 22, 2023**

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	28

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Michael L. Bloom, PG, CPG

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Summy with 1 mph winds from the north. 74% humidity	Passing clouds with 8 mph wind from the south. 53% humidity	70	45

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett on-Site.	Mabbett	1	0640	0.00
Tailgate health and safety meeting.	Mabbett	1	0640-0700	0.33
Resume development of MW-303 (pumping).	Mabbett	1	0700-0940	2.67
Development of MW-301 (surging & pumping).	Mabbett	1	0940-1400	4.33
Clean and secure site	Mabbett	1	1400-1430	0.50

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES ☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES ☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES ☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES ☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to sonic drilling activities. Daily Health & Safety Meeting and Site Inspection Checklist #020 filled out by Site Superintendent with signatures for on-Site staff.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Wattera Hydrolift Actuator	7.0
Mabbett	Turbidity Meter	7.0
Mabbett	Water Level Meter	7.0

ADDITIONAL REMARKS

- After dual surge block in afternoon 9/21, started with whale pump portion of development at MW-303. Programmed and installed transducer to collect continuous drawdown/recharge data. Initiated pumping at 0.25 gpm from the center of the screen interval, with periodic (5-minute intervals) recording of depth to water, flow rate, temperature, specific conductance, pH, ORP and turbidity. Stabilized drawdown at -0.15' at 0.25 gpm with turbidity levels below 20 NTU within 30 minutes of pumping (Specific Capacity = 1.67 gpm/ft). Increased flow rate to 1.15 gpm and documented -0.60' of drawdown (Specific Capacity = 1.92 gpm/ft) with turbidity less that 5 NTU. Based on high SpC with low levels of drawdown, low turbidity values under pumping conditions, and considering the relatively large volume of IDW generated, determined the completion of development at MW-303 without performing additional surge blocking and retesting.
- Development of MW-301: setup dual surge block with foot valve spaced to target 2.5-foot section of the well screen. Used Wattera Hydrolift Actuator to surge 2.5-ft sections of the well. Turbidity remained over the range of the turbidity throughout the well screen during surge blocking and foot valve groundwater extraction/sediment removal. Terminated surge blocking at each 2.5-ft portions of the well screen after 10-gallons at 0.35-0.6 gpm to attempt to establish volumetric boundary on IDW generated (pending pumping results). After dual surge block, started with whale pump portion of development at MW-301. Programmed and installed transducer to collect continuous drawdown/recharge data. Initiated pumping at 0.36 gpm from the center of the screen interval, with periodic (5-minute intervals) recording of depth to water, flow rate, temperature, specific conductance, pH, ORP and turbidity. Stabilized drawdown at -2.57' at 0.4 gpm with turbidity levels below 50 NTU within 1 hour of pumping (Specific Capacity = 0.16 gpm/ft).
- Did not reperform surge blocking and pumping due to time of day and remaining stabilization efforts necessary to secure IDW staging area before work stoppage imposed by OSHA 30-hour training requirement for SSHOs.

Prepared by Michael L. Bloom, PG, CPG: Michael L. Bloom — CONTRACTOR/SUPERINTENDENT — September 25, 2023 — DATE

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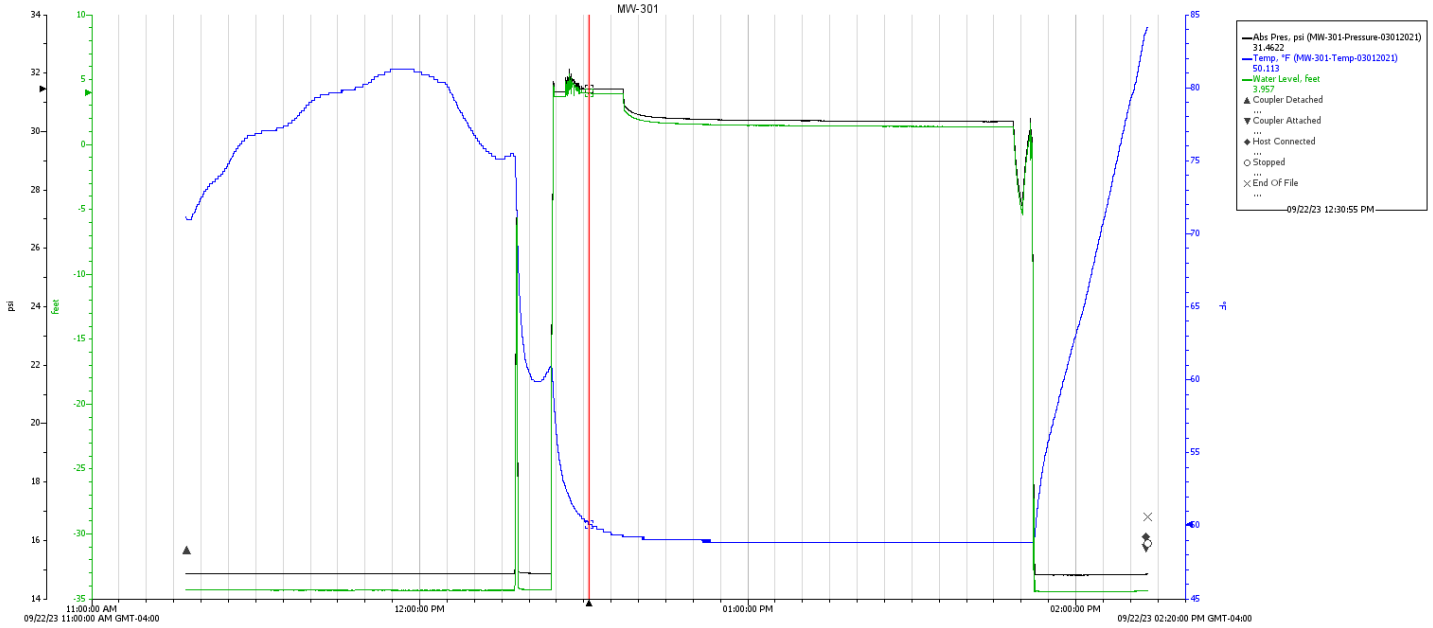

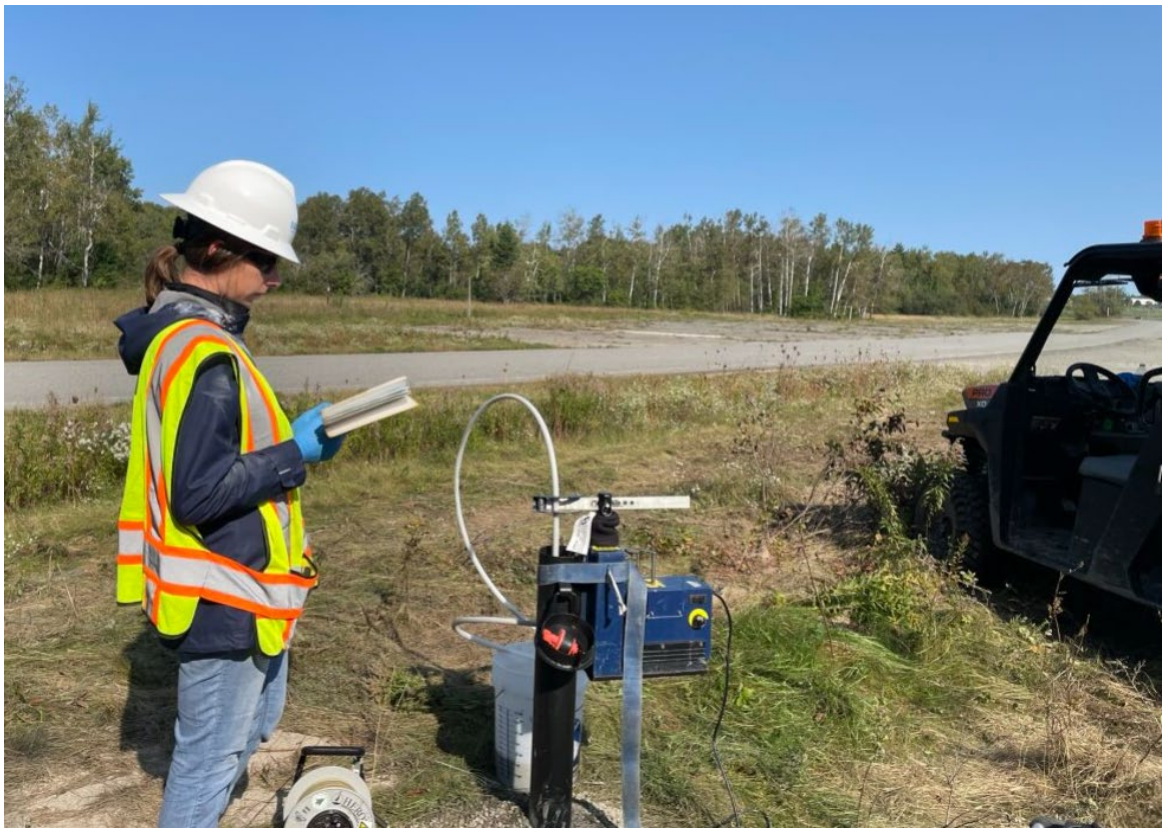


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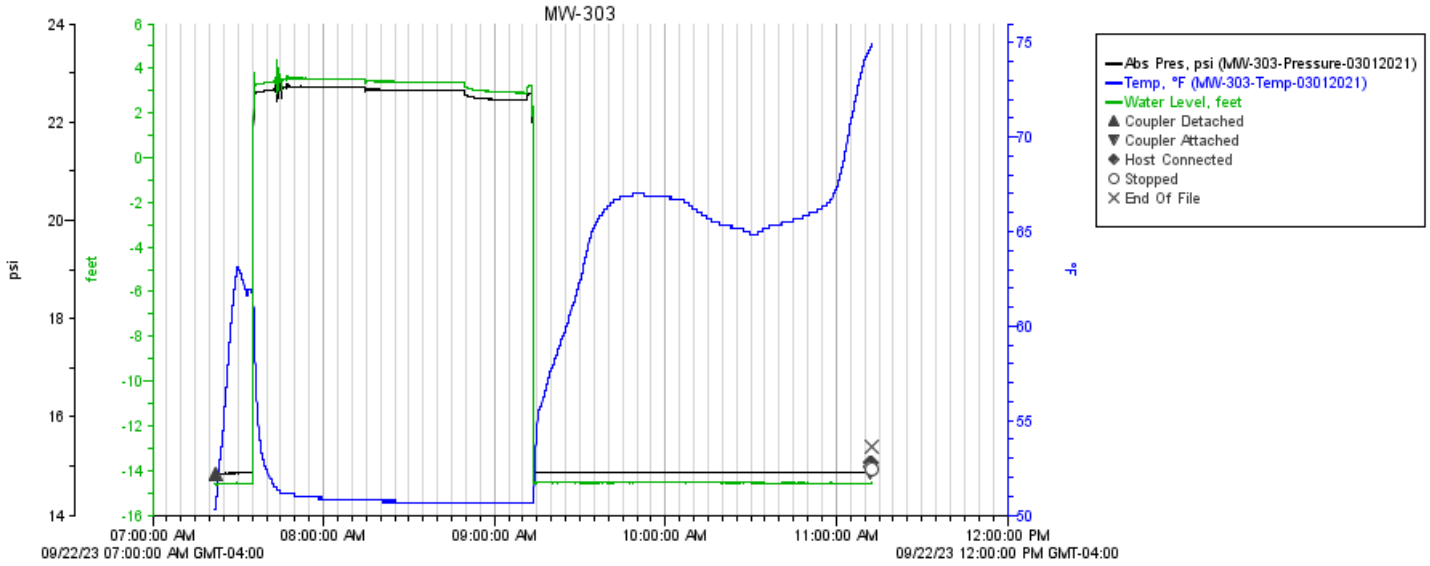
MW-303
psi
feet
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22
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18
16
14
6
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0
-2
-4
-6
-8
-10
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07:00:00 AM
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11:00:00 AM
12:00:00 PM
09/22/23 07:00:00 AM GMT-04:00
09/22/23 12:00:00 PM GMT-04:00
Abs Pres, psi (MW-303-Pressure-03012021)
Temp, °F (MW-303-Temp-03012021)
Water Level, feet
Coupler Detached
Coupler Attached
Host Connected
Stopped
End Of File

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: October 9, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	29

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin Idzenga

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Scattered clouds, with 0-5 mph wind from the south. 96% humidity	Scattered clouds with 13 mph wind from the south. 51% humidity	54	60

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett on-Site.	Mabbett	1	0740	0.00
Tailgate health and safety meeting and PiD calibration prior to ISM.	Mabbett	1	0740-0810	0.30
Conducted ISM for DU08-SS01, DU08-SS02 (including grain size), DU09-SS01 (MS/MSD), DU09-SS02 (including grain size), and DU09-SS09.	Mabbett	1	0810-1610	0.5
deconned equipment and store samples	Mabbett	1	1610-1625	0.25
Clean and secure site	Mabbett	1	1625-1630	0.50

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to ISM activities. Daily Health & Safety Meeting and Site Inspection Checklist #018 filled out by Site Superintendent with signatures for on-Site staff. Reviewed ISM specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Mabbett	Sedimentation controls

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	8
Mabbett	Mini-RAE PID	8

ADDITIONAL REMARKS

- Five samples collected today including two with grain size and one MS/MSD. Four SUs left in decision unit DU09

Prepared by Justin Idzenga, signed on his behalf by: _____ October 9, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: October 10, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	30

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin Idzenga

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Scattered clouds, with 5-7 mph wind from the south. 93% humidity	Cloudy with 8-10 mph wind from the south. 38% humidity	49	62

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett on-Site.	Mabbett	1	0630	0.00
Tailgate health and safety meeting and PiD calibration prior to ISM.	Mabbett	1	0700-0730	0.50
Drew Clemens from USACE onsite.	USACE	1	0700	0.00
Conducted ISM for DU08-SS03, DU08-SS04, DU09-SS05, and DU09-SS06.	Mabbett	1	0730-1400	6.50
Mark out locations for SB-201, SB-202 and SB-203	Mabbett	1	0830-0900	0.50
Attempt to advance SB-203 with hand auger and shovel	Mabbett	1	0900-1030	1.50
Conduct well stabilization on MW306	Mabbett	1	1425-1555	1.50
Clean and secure site	Mabbett	1	1600-1630	0.50

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to ISM activities. Daily Health & Safety Meeting and Site Inspection Checklist #019 filled out by Site Superintendent with signatures for on-Site staff. Reviewed ISM specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Mabbett	Sedimentation controls

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	6.5
Mabbett	Mini-RAE PID	6.5

ADDITIONAL REMARKS

- ISM sampling complete for entire site.
- Mabbett has developed an Activity Hazard Analysis (AHA) to cover the operation of a jack hammer that may be used to break through old concrete tarmac to collect borings SB-201 and SB-202.
- Attempt to advance boring SB-203 was unsuccessful due to high volumes of surficial water filling boring. Attempted to use submersible pump to clear boring and to dig a drainage trench.
- Final depth to water (DTW) after conducting well stabilization at MW306 was 1.98'

Prepared by Justin Idzenga, signed on his behalf by:  October 10, 2023

CONTRACTOR/SUPERINTENDENT DATE

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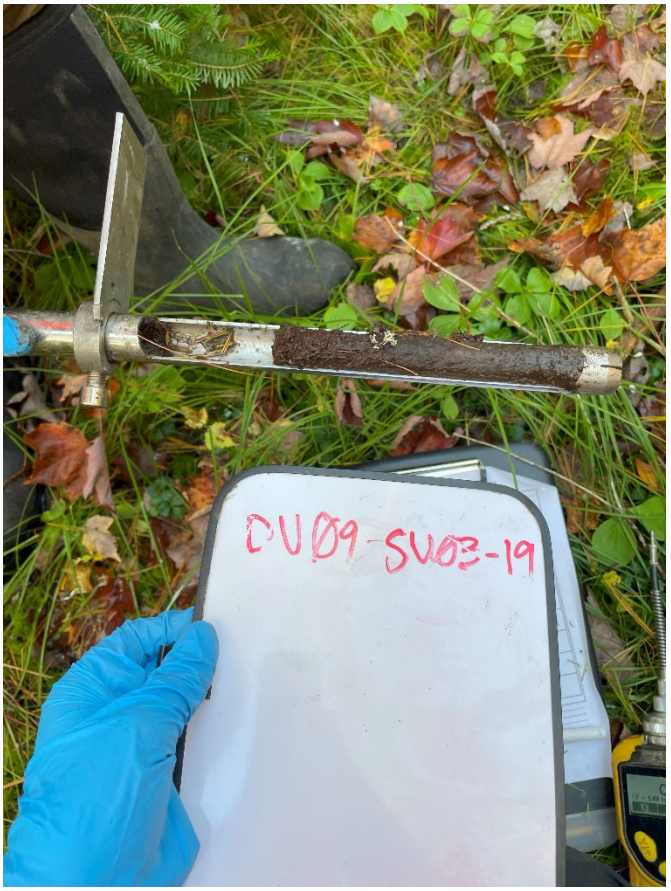

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: October 11, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	31

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin Idzenga

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Partly cloudy with no wind. 96% humidity	Broken clouds with some light rain and 7-10 mph wind from the south. 81% humidity	46	60

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett and Drew Clemens on-Site.	Mabbett & USACE	1	0630	0.00
Tailgate health and safety meeting and PiD calibration.	Mabbett	1	0700-0715	0.25
Set up Surge Block with surge blocks 3 feet apart from each other	Mabbett	1	0715-0730	0.25
Surge blocked MW306. 30 minutes per interval with a 0.25 gallon per minute purge. Completed well development with YSI meter and transducers.	Mabbett	1	0730-1200	4.50
Hand drilled SB201, SB202, and SB203 to one foot into native material. (6 feet) Fill material 4-5' samples collected at the 4-5 and 5-6' intervals for all three borings. Placed Temporary well points to five feet (screened throughout).	Mabbett	1	0930-1600	6.50
Surge blocked MW301. 10- minutes per interval with a 0.5 gallon per minute purge and developed with a YSI and transducer. MW301 had been surged blocked and developed two weeks ago.	Mabbett	1	1300-1600	3
Collected extra sampled from SB203 2-4 interval due to high Pid readings (max 122.4.)	Mabbett	1	1500-1515	0.25
Clean and secure site	Mabbett	1	1600-1615	0.25

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES ☐ NO	
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES ☒ NO	
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES ☒ NO	
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES ☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to ISM activities. Daily Health & Safety Meeting and Site Inspection Checklist filled out by Site Superintendent with signatures for on-Site staff. Reviewed ISM specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Mabbett	Sedimentation controls

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	8
Mabbett	YSI meter, Whale pump, and surge block setup	8
Mabbett	Geoprobe hand drilling tooling	8
Mabbett	Mini-RAE PID	8

ADDITIONAL REMARKS

- ISM sampling complete for entire site.
- SB202 and SB203 had high PID readings and a visible sheen in the hand drilled boring at the 2'-4' interval.
- Fill material was visible in all three borings at 4-5' native material observed at 5' and below.
- Temporary well points placed in all three wells to five feet. They will be left overnight and sampled in the morning. VOCs will be taken first to avoid a turbid sample. PAHs and Metals will also be collected

Prepared by Justin Idzenga, signed on his behalf by:  October 11, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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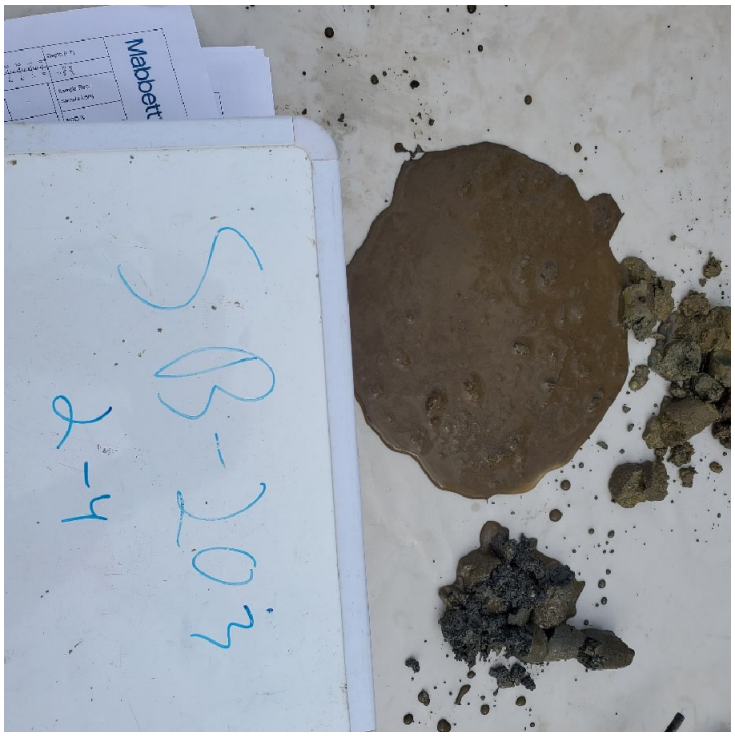

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REMEDIAL INVESTIGATION DAILY PROGRESS REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: October 12, 2023

DERP-FUDS Property and Project No.	TITLE AND LOCATION	REPORT NO
D01ME0004 02	Former Dow AFB Aviation Fuel Filter/Drum/TCE Disposal Area Phase III RI, Bangor, ME	32

CONTRACTOR	SUPERINTENDENT
Mabbett & Associates, Inc.	Justin Idzenga

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Foggy. No wind. 96% humidity	Partly sunny with 5 mph wind from the southwest. 62% humidity	51	61

WORK PERFORMED TODAY

WORK LOCATION AND DESCRIPTION	PRIME & SUBCONTRACTORS	NUMBER OR QUANTITY	DURATION (HHMM-HHMM)	HRS
Mabbett on-Site.	Mabbett	1	0630	0.00
Tailgate health and safety meeting and PiD calibration.	Mabbett	1	0700-0715	0.25
Purged and sampled temporary wells located at SB201, SB202, and SB203. Sampled for VOCs, TAL metals (total and dissolved) and PAHs. Water quality parameters collected prior to and after purging and sampling. Sampling of SB204 (inside the drain catch basin) was also conducted using polyethylene tubing placed inside the drain line and purge/sampled	Mabbett	1	0715-0945	2.5
Collected waste characterization samples from IDW from investigation for PFAS analysis	Mabbett	1	0755-0810	0.25
Mike Nassisi (USACE) Onsite. Conducted additional health and safety briefing	Mabbett & USACE	1	0830	0.0
Surge blocked MW307. 20 minutes per 3' interval with a 0.5 gallon per minute purge. Completed well development with YSI meter and transducers.	Mabbett	1	1000-1400	4
Clean and secure site. Dropping sampled off to Katahdin Lab	Mabbett	1	1415-1430	0.25

JOB SAFETY			
	WAS A JOB SAFETY MEETING HELD THIS DATE?	☒ YES ☐ NO	
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES ☒ NO	
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES ☒ NO	
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES ☒ NO	

LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED — ☒ SAFETY REQUIREMENTS HAVE BEEN MET.

Tailgate H&S meeting held prior to ISM activities. Daily Health & Safety Meeting and Site Inspection Checklist filled out by Site Superintendent with signatures for on-Site staff. Reviewed ISM specific safety requirements and hazards.

EQUIPMENT/MATERIAL RECEIVED TODAY (INDICATE SCHEDULE ACTIVITY NUMBER)

Contractor	Description of Equipment/Material Received
Mabbett	Sedimentation controls

EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Contractor	Description of Equipment Used Today (incl Make and Model)	Hours Used
Mabbett	Eos Positioning Systems #21613951 GPS Unit	6
Mabbett	YSI meter, Whale pump, and surge block setup	7
Mabbett	Geoprobe hand drilling tooling	0
Mabbett	Mini-RAE PID	0

ADDITIONAL REMARKS

- All samples taken to the lab.
- PFAS waste characterizations samples were collected and sent to the lab.
- No personal will be onsite Friday, October 13, 2023.

Prepared by Justin Idzenga, signed on his behalf by:  October 12, 2023

CONTRACTOR/SUPERINTENDENT — DATE

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ATTACHMENT B

GPRS Job Summary Report

JOB SUMMARY

Service Completed Date: 08/01/2023

Customer: MABBETT AND ASSOCIATES INC **Phone Number:**

Billing Address	City	State	Zip
105 CENTRAL STREET	STONEHAM	MA	02180

Job Details

Jobsite Location	City	State	Zip
300 Hildreth Street North	Bangor	ME	04401

Work Order Number 575399-80231 **Customer Service Phone Num**

Job Num R2022057.000.015 **PO Num** R2022057.000.015

Project Manager: Michael Russett **Email:** Michael.Russett@gprsinc.com

Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

EQUIPMENT USED

The following equipment was used on this project:

- **Underground GPR Antenna:** This GPR Antenna uses frequencies ranging from 250 MHz to 450 MHz and is mounted in a stroller frame that rolls over the surface. Data is displayed on a screen and marked in the field in real-time. The surface needs to be reasonably smooth and unobstructed to obtain readable scans. Obstructions such as curbs, landscaping, and vegetation will limit the efficacy of GPR. The total effective scan depth can be as much as 8' or more with this antenna but can vary widely depending on the soil conditions and composition. Some soil types, such as clay, may limit maximum depths to 3' or less. As depth increases, targets must be larger to be detected, and non-metallic targets can be challenging to locate. The depths provided should always be treated as estimates as their accuracy can be affected by multiple factors. For more information, please visit: Link
- **GPS:** This handheld unit offers accuracy down to 4 inches; however, the accuracy achieved will depend on the satellite environment at the time of collection and is not considered survey-grade. Features can be collected as points, lines, or areas and then exported as a KML/KMZ or overlaid on a CAD drawing. For more information, please visit: Link

JOB SUMMARY

WORK PERFORMED

GPRS performed the following work on this project:

UNDERGROUND UTILITY

- The total length of path scanned was approximately 250 feet.
- The effective depth of GPR will vary throughout a site depending on a variety of factors such as surface type, surface conditions, soil type, and moisture content. At this site, the maximum effective GPR depth was approximately 7 feet.

RESULTS AND NOTES

Limitations Encountered	Surface Obstructions, Overgrown Vegetation, Utilities were to deep to locate, Soil conditions not suitable for GPR at time of scanning		
Additional Notes	A total area of approximately 250 linear feet was scanned in order to locate storm drain lines. Client on site exposed round catch basin. Catch basin was completely with water/mud and eliminated the ability to utilize traceable rodder/electromagnetic locator through drain lines due to water and mud obstructing the pipes. The path along which drain lines believed to be located was thoroughly scanned in a grid pattern utilizing utility cart GPR. Potential storm line/anomaly was located in open grass area at approximately 6.5ft below surface and marked in pink marking paint/flags. The reason the line was marked in pink marking paint was due to the fact that it is not confirmed that the anomaly was storm line. GPR effectiveness was inhibited by obstructions such as heavy vegetation and compacted concrete surface. Recommend drilling with caution within 2ft of any marked line.		
Located Utilities:	Unknown	Obstructions Encountered:	Heavy vegetation
Obstructions Noted in the Following Locations:	Along tree line	Client performed 811 Location Request:	No
Marking Medium:	Spray Paint, Flags	Findings Walkthrough done with client:	Yes
Client Provided Drawings:	Yes	Client's Scope of Work:	Soil samples

JOB SUMMARY

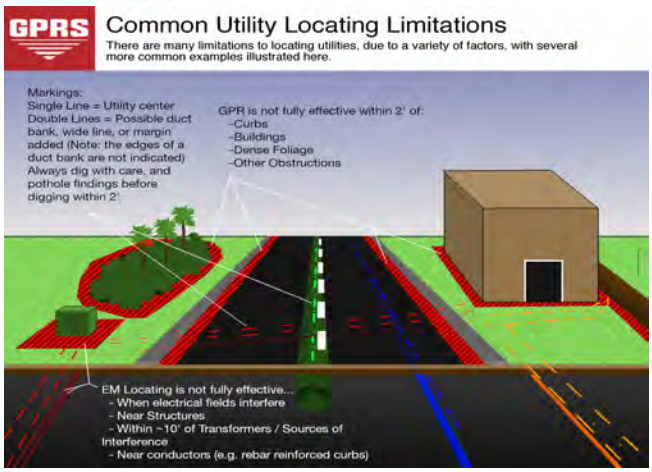
Image 1

Image 2

Image 3

Image 4

JOB SUMMARY



CONTACT / SIGNATURE INFORMATION

TERMS & CONDITIONS

http://www.gprsinc.com/termsandconditions.html

SIGNATURE

CONTACT NAME

GPRS

3D LASER SCANNING

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- ✔ TRAINING
- ✔ EQUIPMENT
- ✔ METHODOLOGY

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ATTACHMENT C

Field Log Sheets

Attachment C-1

ISM Lithology Log Sheets

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 7/26/2023 **Time:** 13:40
Decision Unit DU01 **Sample ID:** DU01-A,B,C
Personnel: DPS, WJF, RBM **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1-A	9:22	0.4	0.8 0.5 0.5 0.5 0.5 0.6	7.5 YR 3/4	0-3" Sand and silt with gravel and organics. Dry. Medium stiffness.
7-A	10:34	0.0	0.5 0.5 0.5 0.5 0.3 0.5	10 YR 4/3	Silt with fine sand. Roots and organics throughout. Friable. Dry and soft.
13-A	11:33	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 3/2	Silty clay with trace sand. Moist. Medium stiffness.
19-A	12:13	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 2/2	Clayey silt with fine and medium sand. Moist. Medium stiffness.
26-A	13:06	0.0	0.5 0.5 0.5 0.5 0.5 0.5	5 Y 2/1	Silt with sand and gravel. Moist. Soft.

QC Sample Collected? Y/N QC Sample ID: DOW-DU01-A,B,C & MS/MSD

Notes: Increments 9 & 18 change offsets from east-west to north-south. B=south and C=north.
If no VOC hit, sample from middle of core.

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/1/2023 **Time:** A 17:45, B 17:50, C 17:55
Decision Unit DU02 **Sample ID:** DOW-DU02-A,B,C
Personnel: NVP **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1A	9:20	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 4/4	Silt with some sand and organics throughout. Dry, loose, friable. No odor or staining observed.
6A	11:20	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 4/2	Silt with some organics and roots. Sm pebbles. No odor or staining observed.
12A	14:17	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/3	Silt with some medium and coarse grain sand and organics/roots. Dry, loose, friable. No odor or staining observed.
21A	15:50	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/2	Silt with some medium and coarse grain sand and organics/roots. Dry, loose, friable. No odor or staining observed.
30A	17:20	0.0	0.5 0.5 0.5 0.5 0.5 0.5	7.5 YR 2.5/1	Fine to medium sand with some silt and organics/roots. Dry, loose, friable. No odor or staining observed. A few small pebbles throughout.

QC Sample Collected? Y/N QC Sample ID: DOW-DU02-B-MS @ 17:51
DOW-DU02-B-MSD @ 17:52

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/2/2023 **Time:** A 13:05, B 13:10, C 13:15
Decision Unit DU03 **Sample ID:** DOW-DU03-A,B,C
Personnel: NVP **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1A	8:05	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 4/4	Silt with few small pebbles and organics. Dry, friable. No odor or staining observed.
10A	9:20	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 5/4	Silt with few small pebbles, organics, and angular gravel. Dry, friable. No odor or staining observed.
13A	10:10	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 4/2	Silt with some fine grained sand. Dry, friable. No odor or staining observed.
19A	11:05	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 4/3	Silt with some coarse grained sand and small pebbles throughout. Dry, friable. No odor or staining observed.
27A	12:45	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/2	Silt with some medium to coarse grained sand and small to medium pebbles throughout. Dry, loose. No odor or staining observed.

QC Sample Collected? Y/N QC Sample ID: DOW-ISM EB-01 @ 15:00

Equipment blank collected after the sampling of this decision unit.

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 7/25/2023 **Time:** 16:55
Decision Unit DU04 **Sample ID:** DOW-DU04-A,B,C
Personnel: DPS, RBM, WJF **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1A	11:12	0.0	0.5 0.6 0.5 0.5 0.6 0.6	7.5 YR 3/3	Silt with sand and gravel with some organics. Dry, loose.
6A	12:26	0.0	0.6 0.7 0.8 0.8 0.6 0.6	10 YR 4/4	Silt with some sand, roots, and organics throughout. Dry, friable, loose.
13B	14:12	0.0	0.8 0.7 0.6 0.6 0.5 0.5	7.5 YR 4/3	Silt with organics and roots throughout. Some inclusions of gray silt. Dry. Medium stiffness.
19A	15:11	0.0	0.6 0.8 0.6 0.5 0.6 0.5	5 YR 4/3	Silt with subrounded gravel. Dry, soft.
26A	16:13	0.0	0.6 0.5 0.5 0.5 0.5 0.5	5 YR 3/2	Silt with clay and organics throughout. Moist. Medium stiffness.

QC Sample Collected? Y/N Sample ID: DOW-DU04-A, DOW-DU04-B, DOW-DU04-C

Notes: Constance Lapite (USACE) recommended sealing methanol jars with teflon tape to prevent spillage/leakage.

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 7/24/2023 **Time:** 18:20
Decision Unit DU05 **Sample ID:** DU05-A,B,C
Personnel: DPS, RBM, WJF **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
03-B	11:26	0.0	0.5 0.5 0.5 0.5 0.5 0.6	7.5 YR 4/4	Dark gray-brown silt with sand. Dry, stiff.
08-B	12:54	0.0	0.5 0.5 0.6 0.4 0.5 0.2	7.5 YR 3/2	Dark gray-brown silt with some sand and angular gravel. Dry, stiff. Plastic at bottom of cutting sleeve.
12-A	14:40	0.0	0.5 0.4 0.9 1.0 0.5 0.5	10 YR 4/2	Dark gray-brown silt with trace sand and gravel. Some organics 0-2". Dry, stiff.
16-B	15:47	0.1	0.6 0.5 0.6 0.5 0.5 0.5	7.5 YR 4/2	Dark gray-brown silt with sand and angular gravel. Some organics 0-6". Dry, stiff.
23-A	17:05	0.0	0.5 0.5 0.5 0.6 0.4 0.8	10 YR 4/2	Dark gray-brown silt with trace sand and some clay. Dry, stiff.

QC Sample Collected? Y/N Sample ID: DOW-DU05-A, DOW-DU05-B, DOW-DU05-C

Notes: Frequent refusal from gravel and roots

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 7/27/2023 **Time:** 14:15
Decision Unit DU06 **Sample ID:** DU06-A,B,C
Personnel: DPS, RBM, WJF **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1A	9:20	0.0	0.5 0.5 0.5 0.5 0.5 0.5	5 Y 4/1	Silt with some clay and organics. 0-6" leaves and twigs. Moist. Cohesive.
7A	10:22	0.0	0.5 0.3 0.5 0.2 0.5 0.5	10 YR 3/4	Clayey silt with trace sand. Moist. Cohesive.
13A	11:32	0.0	0.6 0.3 0.5 0.5 0.8 0.5	10 YR 4/4	Silt with roots and organcis throughout. Dry, friable.
14A	12:25	0.0	0.5 0.5 0.6 0.5 0.6 0.6	7.5 YR 2.5/2	Sandy silt with some coarse sand grains. Roots and organics throughout. Dry, friable.
26A	13:52	0.0	0.6 0.5 0.6 0.2 0.3 0.2	10 YR 3/3	Sandy silt with roots and organics throughout. Dry, friable.

QC Sample Collected? Y/N Sample ID: DOW-DU06-A, DOW-DU06-B, DOW-DU06-C

Notes: Abandoned campsite in northern portion of DU

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/3/2023 **Time:** A 10:25, B 10:30, C 10:35
Decision Unit DU07-SU01 **Sample ID:** DU07-SU01-A,B,C
Personnel: NVP **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1A	6:35	0.0	0.5	5 Y 4/3	Clay with some fine sand and trace organics. Moist. No odor or staining observed.
			0.5		
			0.5		
		0.6	0.8		
		1.2	0.8		
			0.5		
7A	7:20	0.5	0.3	5 Y 5/4	Clay with some sand and trace organics. Dry, friable.
			0.5		
			0.5		
		10.3	0.9		
		0.9	0.1		
		0.6	0.2		
13A	8:05	3.7	0.5	2.5 Y 5/4	Silt with trace organics and some very fine sand. Dry. No odor or staining observed.
		2.5	0.8		
		8.6	0.3		
		0.7	0.8		
		14.3	0.8		
		6.4	0.1		
19A	8:50	2.4	0.8	2.5 Y 6/6	Silt with some very fine sand. Dry, friable. No odor or staining observed.
		3.5	0.5		
		11.5	0.5		
		0.5	0.9		
		2.5	0.5		
		1.9	0.8		
25A	9:50	4.9	0.8	10 YR 4/6	Silt. Dry, friable. No odor or staining observed.
			0.5		
		0.3	0.2		
			0.5		
			0.5		
			0.5		

QC Sample Collected? Y/N Sample ID: DU07-SU01-A, DU07-SU01-B, DU07-SU01-C

Notes: VOC aliquot depth measured from surface

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/3/2023 **Time:** A 13:15, B 13:20, C 13:25
Decision Unit DU07-SU02 **Sample ID:** DOW-DU07-SU02-A,B,C
Personnel: NVP **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1A	11:15	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/4	Silt with some fine sand and organics. Dry. No odor or staining observed.
7A	11:45	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 4/4	Silt with some fine sand and organics. Dry. No odor or staining observed.
13A	12:27	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/4	Silt with some fine sand and organics. Moist. No odor or staining observed.
19A	12:45	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 4/6	Silt with some fine sand and organics. Dry, friable. No odor or staining observed.
25A	13:16	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 YR 5/3	Silt with some fine sand and organics. Dry. No odor or staining observed.

QC Sample Collected? Y/N Sample ID: DOW-DU07-SU02-A, DOW-DU07-SU02-B, DOW-DU07-SU02-C

Notes: 13:40 End

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/28/2023 **Time:** 16:30
Decision Unit DU07-SU03 **Sample ID:** DU07-SU03-A,B,C
Personnel: CW, EBD, JIV, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1A	13:06	0.0	0.1 0.5 0.5 0.5 0.5 0.5	2.5 YR 4/4	Clayey silt with organics.
7A	13:47	3.0	2.1 0.3 0.5 0.5 0.5 0.4	2.5 YR 4/4	Clayey silt with trace organics.
13A	14:35	1.9	9.0 0.5 0.5 0.5 0.5 0.5	2.5 Y 4/2	Clayey silt with organics.
19A	15:13	0.0	0.5 0.5 0.5 0.5 0.5 0.3	2.5 Y 4/3	Clayey silt with organics.
25A	15:57	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 4/2	Clayey silt.

QC Sample Collected? Y/N Sample ID: DOW-DU07-SU03-A, DOW-DU07-SU03-B, DOW-DU07-SU03-C

Notes: Mostly wooded SU

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/29/2023 **Time:** 11:20
Decision Unit DU07-SU04 **Sample ID:** DOW-DU07-SU04-A,B,C
Personnel: LW, EBD, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	8:05	0.4	0.3 0.9 0.9 0.9 0.3 0.5	2.5 Y 5/3, 10 YR 2/2, 2.5 YR 5/2, 10 YR 5/4	Silt. Organics at 4". Clayey silt at 8". 8-12" Silt with fine sand.
7	8:45	8.9	0.9 0.5 0.5 0.9 0.6 0.6	7.5 YR 2.5/2, 2.5 Y 4/3	0-6" Organics with silt. 6-12" Clayey silt.
13	9:18	3.5	0.3 0.5 0.3 0.3 0.7 0.9	10 YR 4/6, 2.5 Y 4/4	0-5" Silt. 5-7" Dark brown organics. 7-12" Silt with trace organics and fine sand.
19	10:00	0.1	0.5 0.5 0.3 0.7 0.5 0.5	2.5 Y 5/6	Clayey silt with grey streaks with trace organics.
25	10:42	7.0	0.6 0.5 0.5 0.9 0.4 5.0	2.5 Y 4/4	Clayey silt with trace organics.

QC Sample Collected? Y/N Sample ID: DOW-DU07-SU04-A, DOW-DU07-SU04-B, DOW-DU07-SU04-C

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/29/2023 **Time:** 13:50
Decision Unit DU07-SU05 **Sample ID:** DOW-DU07-SU05-A,B,C
Personnel: CW, EBD, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	12:20	1.5	0.5 0.5 0.4 0.5 0.5 0.2	2.5 Y 4/4, 2.5 Y 4/3	0-6" Clayey silt. Red-brown organic streak at 6".
7	13:08	19.6	0.3 0.2 0.2 0.5 0.5 0.3	2.5 Y 4/4	Clayey silt with organics. Trace fine sand.
13	13:52	1.0	0.3 0.5 0.5 0.8 0.2 0.5	2.5 Y 4/2	Clayey sand with trace fine sand and organics.
19	14:25	3.0	0.2 0.5 0.3 0.5 0.9 0.9	2.5 Y 4/4	Silt with trace roots and organics.
25	15:08	52.8	0.3 0.3 0.5 0.9 0.2 0.5	2.5 Y 4/2, 5 Y 6/3	Clayey silt. Silt. Dry.

QC Sample Collected? Y/N Sample ID: DOW-DU07-SU05-A, DOW-DU07-SU05-B, DOW-DU07-SU05-C

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/30/2023 **Time:** 12:00
Decision Unit DU07-SU06 **Sample ID:** DOW-DU07-SU06-A,B,C
Personnel: CW, EBD, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	8:30	1.8	0.7 0.3 0.9 0.3 0.5 0.5	10 YR 2/2, 10 YR 5/1	Silt with organics. 8-9" Clayey silt with organics.
7	9:20	0.7	0.3 0.9 0.2 0.3 0.3 0.5	10 YR 2/2	Wet silt with organics.
13	9:58	1.4	0.3 0.3 0.2 0.9 0.3 0.3	2.5 Y 4/2	0-2" Organics. Clayey silt. Moist.
19	10:36	2.4	0.8 0.3 0.3 0.5 0.3 0.2	10 YR 2/2, 10 YR 4/2, 10 YR 4/3	Organics. Clayey silt.
25	11:15	1.1	0.3 0.9 0.8 0.3 0.2 0.2	25 Y 25/1	Wet silt with organics. 3-12" Tightly compacted silt with organics.

QC Sample Collected? Y/N Sample ID: DOW-DU07-SU06-A, DOW-DU07-SU06-B, DOW-DU07-SU06-C

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/30/2023 **Time:** 15:45
Decision Unit DU07-SU07 **Sample ID:** DOW-DU07-SU07-A,B,C
Personnel: CW, ED, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: **12-inch** **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	13:10	2.7	0.3 0.2 0.5 0.2 0.5 0.5	10 YR 3/3, 2.5 Y 3/3	0-6" Silt with organics. Moist. 6-12" Clayey silt. Moist.
7	13:43	0.1	0.4 0.5 0.2 0.5 0.5 0.5	7.5 YR 25/2, 2.5 Y 4/3	0-3" Silt with organics. Clayey silt.
13	14:12	0.0	0.5 0.5 0.5 0.5 0.5 0.5	5 Y 6/1	Silt with brown organics. Dry.
19	14:41	0.0	0.5 0.5 0.9 0.5 0.2 0.3	5 Y 5/3	0-6" Silt with trace organics. Moist. 6-12" Tightly packed clayey silt.
26	15:22	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 6/2, 2.5 Y 4/2	0-5" Silt with trace organics. 5-12" Silt.

QC Sample Collected? Y/N Sample ID: DOW-DU07-SU07-A, DOW-DU07-SU07-B, DOW-DU07-SU07-C

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/9/2023 **Time:** 10:55
Decision Unit DU08-SU01 **Sample ID:** DOW-DU08-SU01
Personnel: CW, EB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
6	9:30	0.0	0.5	7.5 YR 3/1	Dark grey sandy SILT, some clay. Slightly moist, some organics on top.
		0.0	0.5		
		1.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
12	9:45	0.0	0.5	7.5 YR 4/2	Brown silty SAND, some clay. Slightly moist, no organics.
		0.0	0.5		
		0.0	0.5		
		0.1	0.5		
		0.0	0.5		
		0.0	0.5		
18	10:00	0.0	0.5	10 YR 5/1	Grey sandy SILT, some clay. Slightly moist, no organics.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
24	10:10	0.0	0.5	10 YR 2/1	Black sandy SILT, saturated.
		0.8	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
30	10:30	0.0	0.5	10 YR 6/3	Pale brown sandy SILT, slightly moist, no organics.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU08-SU01

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/9/2023 **Time:** 10:30
Decision Unit DU08-SU02 **Sample ID:** DOW-DU08-SU02
Personnel: CW, EB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	9:00	0.0	0.5	7.5 YR 3/1	0-1" organics, 1-12" silt with clay.
		0.0	0.5		
		0.0	0.5		
		2.4	0.5		
		0.0	0.5		
		0.1	0.8		
7	9:16	3.2	0.5	7.5 YR 2.5/2	Organics with silt.
		1.2	0.3		
		1.6	0.5		
		0.4	0.3		
		0.1	0.5		
		9.6	0.8		
13	9:37	0.7	0.5	10 YR 3/3	Organics 0-2". Silty clay, moist.
		8.3	0.3		
		0.0	0.5		
		0.3	0.5		
		0.0	0.5		
		0.0	0.5		
19	10:00	0.2	0.5	10 YR 3/4 10 YR 6/1	0-6" silty fine sand. 6-12" sandy silt.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
25	10:20	0.0	0.5	10 YR 2/2	Silty clay with organics.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU08-SU02

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/31/2023 **Time:** 15:00
Decision Unit DU08-SU03 **Sample ID:** DOW-DU08-SU03
Personnel: CW, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	13:46	0.0	0.5 0.5 0.5 0.5 0.5 0.5	7.5 YR 4/2	0-12" Clayey silt. Moist.
7	14:06	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/2	0-4" Wet clayey silt with trace organics. 4-12" Moist clayey silt with trace organics.
14	14:30	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 4/3	Silt with some brown patches.
20	14:42	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 3/2	Silt with trace roots and organics.
25	14:51	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/2	0-2" Wet. Clayey silt with trace fine sand.

QC Sample Collected? Y/N Sample ID: DOW-DU08-SU03

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/31/2023 **Time:** A 12:00, B 12:05, C 12:10
Decision Unit DU08-SU04 **Sample ID:** DOW-DU08-SU04-A,B,C
Personnel: CW, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	9:07	0.0	0.5 0.3 0.5 0.3 0.2 0.5	10 YR 3/3, 2.5 Y 5/2	0-3" Clayey silt. Moist. 3-12" Clayey silt.
7	9:45	10.3	0.8 0.7 0.5 0.5 0.5 0.5	5 YR 2.5/1, 10 YR 4/2, 10 YR 5/2	0-3" Organics with silt and trace fine sand. 3-9" Clayey silt. 9-12" Sticky/wet grey clayey silt.
13	10:25	1.4	0.3 0.5 0.5 0.2 0.2 0.5	2.5 Y 4/2, 2.5 Y 5/2	0-6" Clayey silt with organics. 6-12" Silt with trace organics.
19	11:00	3.2	0.25 0.6 0.5 0.3 0.3 0.4	10 YR 2/2, 7.5 YR 2.5/3	0-7" Organics with silt. 7-12" Wet silt with trace organics.
25	11:35	1.1	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 4/2	Moist clayey silt.

QC Sample Collected? Y/N Sample ID: DOW-DU08-SU04-A, DOW-DU08-SU04-B, DOW-DU08-SU04-C

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 8/31/2023 **Time:** 16:45
Decision Unit DU08-SU05 **Sample ID:** DOW-DU08-SU05
Personnel: CW, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	15:30	0.0	0.5 0.5 0.5 0.5 0.5 0.5	5 YR 25/1, 10 YR 3/3	0-4" Organics and silt. 4-12" Silt with trace organics.
7	15:38	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/2, 25 Y 3/1	0-5" Organics and silt. 5-12" Wet clayey silt.
13	16:23	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 2/2	Wet silt with organics.
19	16:31	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/1	Wet clayey silt.
25	16:39	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/1	Wet clayey silt with trace organics.

QC Sample Collected? Y/N Sample ID: DOW-DU08-SU05

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 9/1/2023 **Time:** 12:30
Decision Unit DU08-SU06 **Sample ID:** DOW-DU08-SU06
Personnel: CW, DB, JW **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
2	11:22	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 4/4	Clayey silt with trace organics.
7	11:36	2.2	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 5/2	0-2" organics. 2-12" Clayey silt.
13	11:49	0.0	0.5 0.5 0.5 0.5 0.5 0.5	7.5 YR 3/2	0-1" Organics. 1-12" Clayey silt with trace organics.
19	12:06	0.0	0.5 0.5 0.5 0.5 0.5 0.5	7.5 Y 4/2	Clayey silt. Stiff at 6-12".
25	12:25	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 3/2	Moist clayey silt.

QC Sample Collected? Y/N Sample ID: DOW-DU08-SU06

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 9/1/2023 **Time:** 10:50
Decision Unit DU08-SU07 **Sample ID:** DOW-DU08-SU07
Personnel: CW, JW, DB **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	9:10	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 3/2	Clayey silt with organics. Moist.
7	9:34	0.0	0.5 0.5 0.5 0.5 0.5 0.5	10 YR 3/1	Wet packed silt.
13	9:52	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 3/3, 5 Y 5/2	0-7" Silt with organics. 7-12" Silt.
19	10:12	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 3/1	Silt with trace organics. 8-12" Tightly packed silt.
25	10:30	0.0	0.5 0.5 0.5 0.5 0.5 0.5	2.5 Y 4/3	Moist clayey silt.

QC Sample Collected? Y/N Sample ID: DOW-DU08-SU07

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/9/2023 **Time:** 13:30
Decision Unit DU09-SU01 **Sample ID:** DU09-SU01
Personnel: CEW, EBD **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	12:00	0.0	0.5	10 YR 5/1	Silty sand with some organics near the top. Saturated.
		0.7	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
7	12:18	0.0	0.5	10 YR 4/2	Sandy silt with some clay. Wet.
		2.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		6.5	0.5		
13	12:36	0.0	0.5	10 YR 2/2	Sandy silt with some clay with organics near the top. Wet.
		1.6	0.5		
		2.9	0.5		
		1.9	0.5		
		0.0	0.5		
		2.6	0.5		
19	12:52	2.9	0.5	10 YR 3/1	Sandy silt with clay.
		1.6	0.5		
		4.1	0.5		
		0.4	0.5		
		3.3	0.5		
		4.4	0.5		
25	13:13	2.0	0.5	10 YR 4/1	Sandy silt with some clay.
		4.0	0.5		
		6.0	0.5		
		1.4	0.5		
		2.5	0.5		
		0.0	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU09-SU01-MS
DOW-DU09-SU01-MSD

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/9/2023 **Time:** 14:50
Decision Unit DU09-SU02 **Sample ID:** DOW-DU09-SU02
Personnel: CEW, EBD **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7
5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit

Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	13:35	0.0	0.5	10 YR 3/3	Sandy silt with some clay with some organics.
		0.0	0.5		
		2.4	0.5		
		0.0	0.5		
		2.7	0.5		
		2.4	0.5		
7	14:00	2.6	0.5	10 YR 3/2	Sandy silt with some clay with some organics.
		0.3	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.2	0.5		
13	14:17	0.0	0.5	10 YR 4/2	Sandy silt with some clay.
		0.8	0.5		
		0.0	0.5		
		4.8	0.5		
		2.2	0.5		
		7.1	0.5		
19	14:26	1.7	0.5	10 YR 4/2	Sandy silt with some clay.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		1.9	0.5		
25	14:40	1.5	0.5	10 YR 4/2	Sandy silt with some clay.
		0.0	0.5		
		0.1	0.5		
		3.7	0.5		
		2.5	0.5		
		0.1	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU09-SU02

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/10/2023 **Time:** 14:20
Decision Unit DU09-SU03 **Sample ID:** DOW-DU09-SU03
Personnel: CW/EBD **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7

5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit
Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	13:04	0.0	0.5	7.5 YR 4/4	Sandy silt.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.1	0.5		
		0.0	0.5		
7	13:14	0.2	0.5	10 YR 5/3	Sandy silt with some clay.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.3	0.5		
13	13:25	0.4	0.5	2.5 Y 6/3	0-4" Organics. 4-12" Silt with trace organics.
		2.5	0.5		
		15.6	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
19	13:38	0.0	0.5	10 YR 2/2 7.5 Y 3/3	0-7" Silt and organics. Moist. 7-12" Packed sandy silt.
		0.0	0.5		
		0.3	0.5		
		1.6	0.5		
		0.0	0.5		
		0.7	0.5		
25	14:00	0.0	0.5	2.5 Y 6/1	0-6" Organics. 6-12" Silt with fine sand and clay.
		0.3	0.5		
		0.0	0.5		
		0.0	0.5		
			0.5		
			0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU09-SU03

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/10/2023 **Time:** 10:20
Decision Unit DU09-SU04 **Sample ID:** DOW-DU09-SU04
Personnel: CW/EBD **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7

5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit
Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	9:15	0.6	0.5	10 YR 2/2	Organics with silt and sand.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
7	9:25	0.0	0.5	10 YR 4/2	Sandy silt. Moist.
		0.0	0.5		
		0.1	0.5		
		0.0	0.5		
		0.5	0.5		
		0.0	0.5		
13	9:40	0.0	0.5	10 YR 4/2	Clayey silt. Moist.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
19	9:51	0.0	0.5	10 YR 4/2	Sandy silt. Moist.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
25	10:06	0.0	0.5	10 YR 4/2	Sandy silt. Wet.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU09-SU04

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/10/2023 **Time:** 11:40
Decision Unit DU09-SU05 **Sample ID:** DOW-DU09-SU05
Personnel: CW/EBD **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7

5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit
Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	10:40	0.0	0.5	5 YR 2.5/1	Sandy silt with organics.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
7	10:51	0.0	0.5	2.5 Y 5/2	Fine sand and silt.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.1	0.5		
		0.0	0.5		
13	11:03	0.0	0.5	2.5 Y 5/2	Tightly packed fine sand and silt.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.2	0.5		
		0.0	0.5		
19	11:15	0.0	0.5	2.5 Y 5/2	Tightly packed fine sand and silt.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
25	11:28	0.0	0.5	10 YR 3/3	Sandy silt with trace organics. Wet.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU09-SU05

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/10/2023 **Time:** 9:00
Decision Unit DU09-SU06 **Sample ID:** DOW-DU09-SU06
Personnel: CW/EBD **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7

5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit
Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	7:51	0.0	0.5	2.5 Y 4/3	Sandy silt. Wet.
		0.0	0.5		
		0.1	0.5		
		2.3	0.5		
		0.0	0.5		
		0.0	0.5		
7	8:05	0.6	0.5	2.5 Y 5/4	Sandy silt with trace organics. Moist.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
13	8:17	0.0	0.5	2.5 Y 4/4	Sandy silt.
		0.0	0.5		
		0.3	0.5		
		0.1	0.5		
		0.0	0.5		
		0.0	0.5		
19	8:26	0.2	0.5	2.5 Y 4/2	Clayey silt with fine sand. Wet.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
25	8:38	0.0	0.5	2.5 Y 3/3	Sandy silt. Moist.
		0.9	0.5		
		0.0	0.5		
		0.1	0.5		
		0.0	0.5		
		0.0	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU09-SU06

Notes:

INCREMENTAL SAMPLING METHODOLOGY LITHOLOGY LOGGING SHEET

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Site Name: Former Dow Air Force Base
Project Number: FUDS Project No. D01ME0004 02
Date: 10/9/2023 **Time:** 16:00
Decision Unit DU09-SU07 **Sample ID:** DOW-DU09-SU07
Personnel: CW/JI/EB/NP **Sample Method:** ISM

Core Diameter: 7/8-inch **Total Number of 1-foot Core Increments:** 30
Core Length: 12-inch **Plug Volume Per Increment (grams):** 5
Sampler Type: T-Handle, Stainless Steel, Open Sided **Plugs Per Core To ISM Sample:** 7

5-gram plug to ISM VOC sample based on PID screening per core increment

PID Readings and Lithological Observations recorded for every 5 increments within Decision Unit
Field Screen Each Core: Make additional notations for sample cores within the DU which exhibit elevated PID screening values

If the field team encounters conditions that are inconsistent with the expectations of the design of the DU/SUs (e.g., encounters soils, stains, odors, that do not appear to be the same as other soils within the DU), the field team must contact the Project Manager and discuss whether alternate sampling strategies should be implemented.

Sample Increment #	Sample Increment(s) Time	PID Reading(s) (ppmv)	Depth of VOC Aliquot	Munsell Notation	Soil Description
1	15:23	0.0	0.5	10 YR 4/1	Clayey silt. Saturated.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
7	15:33	0.0	0.5	10 YR 3/6	Clayey silt. Saturated.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
13	15:40	0.0	0.5	10 YR 4/2	Dark grey-brown clayey silt with some sand. Saturated.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
20	15:46	0.0	0.5	10 YR 4/3	Brown clayey silt with fine sand.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
25	15:54	0.0	0.5	10 YR 4/4	Dark yellow-brown clayey sand with some sand.
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		
		0.0	0.5		

QC Sample Collected? Y/N Sample ID: DOW-DU09-SU07

Notes: 19-20 was not a representative sample for lithology

Attachment C-2

DPT Soil Boring Logs

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS01

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0							
1	-1	28/60		10YR 4/3	SM	Brown silty fine sand. Slightly Moist. Some organics (grass, roots).	0.5	
2	-2			10YR 4/1	SP	Dark brown loose sand, silt, and gravel fill material. Moist. No odor and no staining.	2.7	Sample 1 @ 7:45
3	-3				MLCH	Grey and dark brown clayey silt. Trace gravel. Moist. No odor and no staining.	1.5	
4	-4						0.0	
5	-5						0.0	
6	-6	60/60		10YR 4/2	MLCH	Grey and dark brown clayey silt. Moist. No odor and no staining.	0.0	Sample 2 @ 7:50
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10							0.0	

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS02

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/3	SM	Brown silty fine sand. Slightly Moist. Some organics (grass, roots).	0.0	
1	-1			10YR 4/1	SP	Dark brown loose sand, silt, and gravel. Moist. No odor, no staining.	0.0	Sample 1 @ 8:15
2	-2					Dark grey and brown clayey silt.	0.0	
3	-3						0.0	
4	-4						0.0	
5	-5						0.0	
6	-6	60/60		10YR 4/2	MLCH		0.0	Sample 2 @ 8:40
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS03

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	37/60		10YR 4/3	SM	Grey-brown silty sand. Slightly moist with organics.	0.0	
1	-1			10YR 4/2	SP	Sand, silt, and sub angular and sub rounded gravel. Moist. No odor, no staining.	0.0	Sample 1 @ 8:50
2	-2						0.0	
3	-3			10YR 4/2	CL	Gray Clay. Moist. No odor, no staining.	0.0	Sample 2 @ 8:55
4	-4						0.0	
5	-5	60/60					0.0	
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS04

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	12/60		10YR 2/2	SM	Dark gray and brown silty fine sand. Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	SP	Dark gray sand, silt, and sub-angular and sub-rounded gravel. Moist. No odor, and no staining.	0.9	Sample 1 @ 9:15
2	-2						0.8	
3	-3					Gray Clay. Moist. No odor, no staining.	0.4	
4	-4						0.0	
5	-5	60/60		10YR 3/2	CL		0.0	Sample 2 @ 9:20
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS05

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 2/2	SM	Very dark brown silty sand. No odor, no staining.	0.0	
1	-1			10YR 4/2	SP	Grayish brown fine sand. Some silt and sub-angular to sub-rounded gravel. Moist. No odor, and no staining.	0.0	Sample 1 @ 9:30
2	-2			10YR 3/2	CL	Gray Clay. Moist. No odor, no staining.	0.0	Sample 2 @ 9:35
3	-3						0.0	
4	-4						0.0	
5	-5	60/60					0.0	
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS06

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	36/60		10YR 2/2	SM	Silty fine sand. Slightly Moist. Some organics (grass, roots).	0.0	
1	-1			2.5YR 1/4	SP	Dark brown loose sand, silt, and gravel fill material. Moist. No odor and no staining.	0.0	Sample 1 @ 9:50
2	-2						0.0	
3	-3			10YR 3/2	CL	Gray Clay. Moist. No odor, no staining.	0.0	Sample 2 @ 9:55
4	-4						0.0	
5	-5	60/60					0.0	
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS07

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0			10YR 3/1	SM	Very dark gray silty fine sand. Some organics. Slightly moist. No odor, no staining.	0.0	
1	-1	11/60		10YR 4/2	SP	Dark grayish brown fine sand, silt and sub-angular to sub-rounded gravel.	0.0	Sample 1 @ 10:05
2	-2						0.0	
3	-3						0.0	
4	-4						0.0	
5	-5	60/60		10YR 3/2	CL	Gray Clay. Moist. No odor, no staining.	0.0	Sample 2 @ 10:10
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU01-SS08

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	46/60		10YR 4/3	SM	Brown fine sand. Some organics. Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 5/2	SP	Dark grayish brown fine sand, silt, and fine gravel.	0.0	Sample 1 @ 10:15
2	-2						0.0	
3	-3			10YR 4/2	CLMH	Dark grayish brown silty clay. Slightly moist. No odor, no staining	0.0	Sample 2 @ 10:20
4	-4						0.0	
5	-5	60/60					0.0	
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS01

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	44/60		10YR 3/2	SM	Very dark gray-brown silty sand. Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	SP	Dark grayish brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	0.0	
2	-2						0.0	Sample 1 @ 10:50
3	-3					Grayish brown silty clay. Moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5	60/60		10YR 5/2	CLMH		0.0	
6	-6						0.0	Sample 2 @ 10:55
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS02

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	36/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 5/3	SP	Brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	0.0	Sample 1 @ 11:00
2	-2						0.0	
3	-3			10YR 5/1	CL	Gray clay. Moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5	60/60		10YR 6/1	CL	Gray clay. Moist. No odor, no staining.	0.0	Sample 2 @ 11:05
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS03

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	41/60		10YR 4/3	SM	Very dark grayish brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 5/2	SP	Dark grayish brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	0.0	Sample 1 @ 11:15
2	-2						0.0	
3	-3						0.0	
4	-4			10YR 5/1	CLMH	Gray silty clay. Moist. No odor, no staining.	0.0	Sample 2 @ 11:20
5	-5	60/60		10YR 5/2	CLMH	Grayish brown silty clay. Moist. No odor, no staining.	0.0	
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS04

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	40/60		10YR 3/2	SM	Dark brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	SP	Dark grayish brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	0.0	
2	-2						0.0	Sample 1 @ 11:30
3	-3			10YR 5/2	CLMH	Grayish brown silty clay. Moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5	60/60		10YR 5/1	CL	Gray clay. Moist. No odor, no staining.	0.0	
6	-6						0.0	Sample 2 @ 11:35
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS05

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	42/60		10YR 3/2	SM	Dark brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	SP	Dark grayish brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	0.0	
2	-2						0.0	Sample 1 @ 12:35
3	-3			10YR 5/2	CLMH	Grayish brown clayey silt. Moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5						0.0	
6	-6	60/60		10YR 5/1	CL	Gray clay. Moist. No odor, no staining.	0.0	Sample 2 @ 12:40
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS06

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	43/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/3	SP	Brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	0.0	Sample 1 @ 12:55
2	-2						0.0	
3	-3						0.0	
4	-4			10YR 5/2	CLMH	Grayish brown silty clay. Moist. No odor, no staining.	0.0	Sample 2 @ 13:00
5	-5	60/60					0.0	
6	-6						0.0	
7	-7			10YR 4/1	CL	Dark Gray clay. Moist. No odor, no staining.	0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS07

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	36/60		10YR 4/3	SM	Dark brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 3/3	SP	Dark brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	0.0	
2	-2						0.0	Sample 1 @ 13:10
3	-3			10YR 5/1	CLMH	Gray clayey silt. Slightly Moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5	57/60		10YR 5/1	CL	Gray clay. Slightly moist. No odor, no staining.	0.0	
6	-6						0.0	Sample 2 @ 13:15
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU02-SS08

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	2.1	
							0.8	
1	-1			10YR 3/3	SP	Dark brown fine sand, silt and sub-rounded to sub-angular gravel. Moist. No odor, no staining.	2.2	
							1.0	Sample 1 @ 13:25
2	-2						1.8	
							1.5	
3	-3					Dark gray silty clay. Slightly Moist. No odor, no staining.	0.8	
							2.0	
4	-4						0.3	
							2.8	
5	-5			10YR 4/1	CLMH		0.0	
							3.0	
6	-6						0.0	
							0.0	Sample 2 @ 13:30
7	-7	60/60				Gray clay. Slightly moist. No odor, no staining.	0.0	
							0.0	
8	-8			10YR 5/1	CL		0.0	
							0.0	
9	-9						0.0	
10							0.0	

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS01

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 5/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	SM	Dark grayish brown silty sand, some clays, trace gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 14:00
2	-2						0.0	
3	-3			10YR 3/1	CLMH	Very dark gray silty clay. Slightly Moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5			10YR 4/2	MHCL	Dark grayish brown clayey silt. Slightly moist. NO odor, no staining. With odor, no staining.	0.0	
6	-6	60/60		10YR 4/2	CL	Dark grayish brown clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 14:05
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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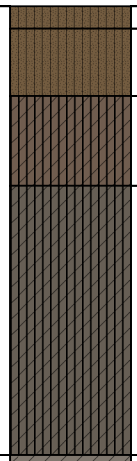
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS02

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
				10YR 4/3	SM	Dark grayish brown silty sand, some clays, some sub-angular gravel. Slightly moist. No odor, no staining.		
1	-1			10YR 4/2	MHCL	Brown clayey silt. Slightly Moist. No odor, no staining.	0.0	Sample 1 @ 14:15
2	-2			10YR 4/1	MHCL	Dark grayish brown clayey silt. Slightly moist. NO odor, no staining. With odor, no staining.	0.0	
3	-3						0.0	
4	-4						0.0	
5	-5	60/60		10YR 5/1	CL	Gray clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 14:20
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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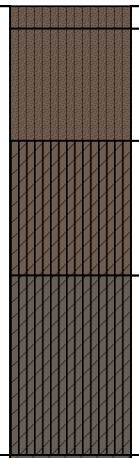
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS03

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	45/60		10YR 4/2	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	SM	Brown fine sand, silt and sub-rounded to sub angular gravel. Dry. No odor, no staining.	0.0	Sample 1 @ 14:30
2	-2			10YR 4/2	MHCL	Dark Grayish brown clayey silt. Slightly Moist. No odor, no staining.	0.0	
3	-3						0.0	
4	-4			10YR 4/1	MHCL	Dark gray clayey silt. Slightly moist. NO odor, no staining. With odor, no staining.	0.0	
5	-5	60/60					0.0	
6	-6						0.0	Sample 2 @ 14:35
7	-7			10YR 4/1	CL	Olive gray clay. Slightly moist. No odor, no staining.	0.0	
8	-8						0.0	
9	-9						0.0	
10								

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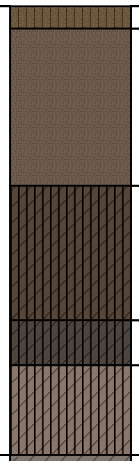
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS04

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Dry. No odor, no staining.	0.0	
1	-1			10YR 4/2	SP	Dark grayish brown fine sand, silt and sub-rounded to sub angular gravel. Dry. No odor, no staining.	0.0	Sample 1 @ 14:45
2	-2			10YR 3/2	MHCL	Very dark grayish brown clayey silt. Slightly Moist. No odor, no staining.	0.0	
3	-3						0.0	
4	-4			10YR 3/1	MHCL	Very dark gray clayey silt. Slightly Moist. No odor, no staining.		
				10YR 5/2	CLMH	Grayish brown silty clay. Slightly moist. No odor, no staining.	0.0	
5	-5	60/60		10YR 5/1	CL	Gray clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 14:50
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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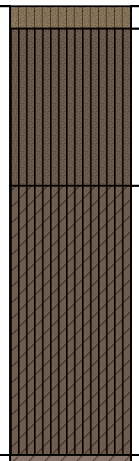
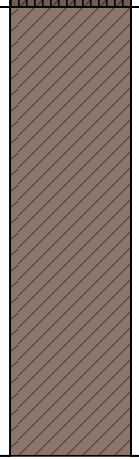
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS05

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	45/60		10YR 5/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	MHSM	Dark grayish brown sandy silt, some clays, little gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 15:05
2	-2							
3	-3			10YR 4/2	CLMH	Dark grayish brown silty clay. Slightly Moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5						0.0	
6	-6	60/60		10YR 5/2	CL	Grayish brown clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 15:10
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10							0.0	

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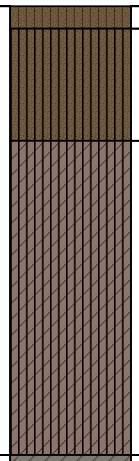
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS06

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Dry. No odor, no staining.	0.0	
1	-1			10YR 4/3	MHSM	Brown silty sand. Some sub-angular to sub-rounded gravel. Dry. No odor, no staining.	0.0	Sample 1 @ 15:20
2	-2			2.5YR 5/2	MHCL	Dark grayish brown clayey silt. Slightly Moist. No odor, no staining.	0.0	
3	-3						0.0	
4	-4						0.0	
5	-5	60/60		2.5Y 5/1	CL	Gray clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 15:25
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS07

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	52/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
				10YR 4/3	SM	Brown fine sand, some clay and trace gravel. Slightly moist. No odor, no staining.		
1	-1							Sample 1 @ 15:45
				10YR 4/2	MHCL	Dark Grayish brown clayey silt. Slightly Moist. No odor, no staining.	0.0	
2	-2						0.0	
3	-3			10YR 5/2	CLMH	Grayish brown silty clay. Slightly moist. NO odor, no staining. With odor, no staining.	0.0	
4	-4						0.0	
5	-5	60/60		10YR 4/1	CL	Dark gray clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 15:50
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/07/23
COMPLETION DATE: 08/07/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU03-SS08

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Dry. No odor, no staining.	0.0	
1	-1			10YR 4/3	MHSM	Brown silty sand, little gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 16:00
2	-2			10YR 5/2	MHCL	Grayish brown clayey silt. Slightly Moist. No odor, no staining.	0.0	
3	-3						0.0	
4	-4						0.0	
5	-5	60/60		10YR 4/1	CL	Dark gray clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 16:05
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS01

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	16/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Dry. No odor, no staining.	0.0	
1	-1					Brown sandy silt, some sub-rounded to sub-angular gravel. Dry. No odor, no staining.	0.0	Sample 1 @ 8:25
2	-2						0.0	
3	-3						0.0	
4	-4			7.5YR 4/3	MHSM		0.0	
5	-5	60/60		10YR 6/1			0.0	Sample 2 @ 8:30
6	-6						0.0	
7	-7						0.0	
8	-8				CL	Gray clay. Slightly moist. No odor, no staining.	0.0	
9	-9						0.0	
10								

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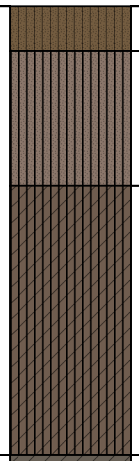
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS02

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	38/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	4.7	
							0.5	
1	-1			10YR 5/2	MHSM	Grayish brown silty sand, little gravel. Slightly moist. No odor, no staining.	6.7	
							1.0	Sample 1 @ 8:35
2	-2						10.1	
				10YR 4/2	MHCL	Dark grayish brown clayey silt. Slightly moist. No odor, no staining.	1.5	
3	-3						15.7	
							2.0	
4	-4						13.5	
							2.5	
5	-5	60/60		10YR 4/1	CL	Dark gray clay. Slightly moist. No odor, no staining.	6.4	
							3.0	
6	-6						3.1	Sample 2 @ 8:40
							3.5	
7	-7						1.7	
							4.0	
8	-8						1.2	
							4.5	
9	-9						0.0	
							5.0	
10								

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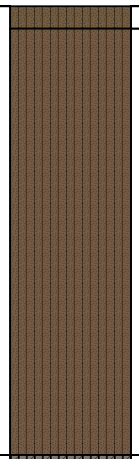
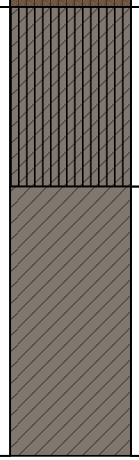
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS03

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	36/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			7.5YR 4/3	SM	Brown silty sand. Some sub-rounded to sub-angular gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 8:50
2	-2						0.0	
3	-3						0.0	
4	-4						0.0	
5	-5	36/60		10YR 5/1	MHCL	Gray silty clay. Moist. No odor, no staining.	0.0	Sample 2 @ 8:55
6	-6						0.0	
7	-7			10YR 5/1	CL	Gray clay. Moist. No odor, no staining.	0.0	
8	-8						0.0	
9	-9						0.0	
10								

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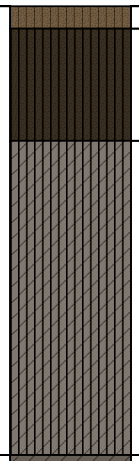
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS04

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	51/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			2.5Y 2/2	MHSM	Very dark gray clayey silt. Slight moist. No odor, no staining.	0.0	Sample 1 @ 10:10
2	-2			10YR 5/1	MHCL	Gray clayey silt. Slightly moist. No odor, no staining.	0.0	
3	-3						0.0	
4	-4						0.0	
5	-5	60/60		10YR 4/1	CL	Dark gray clay. Slightly moist. No odor, no staining.	0.0	
6	-6						0.0	Sample 2 @ 10:15
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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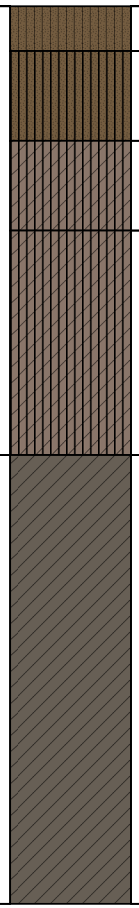
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS05

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	57/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/3	MHSM	Brown silty sand. Little gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 9:35
2	-2			10YR 5/2	CLMH	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
3	-3			10YR 5/2	MHCL	Grayish brown silty clay. Slightly moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5	60/60		10YR 4/1	CL	Dark gray clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 9:40
6	-6						0.0	
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS06

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	54/60		10YR 4/2	SM	Dark grayish brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 5/2	SM	Grayish brown silty clay. Some sub-rounded to sub-angular gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 10:25
2	-2						0.0	
3	-3						0.0	
4	-4						0.0	
5	-5	57/60		10YR 5/1	CL	Gray clay. Slightly moist. No odor, no staining.	0.0	
6	-6						0.0	Sample 2 @ 10:30
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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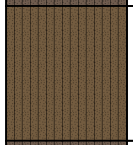
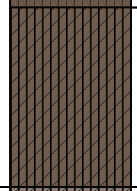
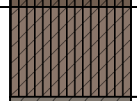
Scientists | Engineers | Program Managers

PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS07

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/2	SM	Dark grayish brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/3	SM	Brown silty sand. Some sub-rounded to sub-angular gravel. Dry. No odor, no staining.	0.0	
2	-2						0.0	Sample 1 @ 11:20
				10YR 4/2	SM	Dark grayish brown silty sand. Little gravel. Dry. No odor, no staining.	0.0	
3	-3			10YR 4/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5	60/60		10YR 5/2	CLMH	Grayish brown silty clay. Slightly moist. No odor, no staining.	0.0	
6	-6			10YR 5/1	CL	Gray clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 11:25
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/08/23
COMPLETION DATE: 08/08/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU04-SS08

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	45/60		10YR 4/2	SM	Dark brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	MHCL	Dark gray clayey silt. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 11:50
2	-2			10YR 3/2	MHCL	Very drak grayish brown clayey silt. Slight moist. No odor, no staining.	0.0	
3	-3			10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
4	-4						0.0	
5	-5	57/60		10YR 5/2	CL	Grayish brown clay. Slightly moist. No odor, no staining.	0.0	
6	-6						0.0	Sample 2 @ 11:55
7	-7						0.0	
8	-8						0.0	
9	-9						0.0	
10								

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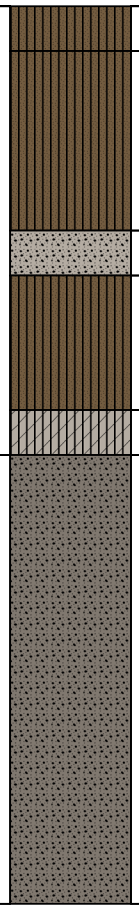
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS01

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	27/60		10YR 4/3	MHSP	Dark grayish brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/3	MHSP	Dark grayish brown sandy silt. Some sub-rounded gravel. Slightly moist. No odor, no staining.	0.0	
							0.0	
2	-2						0.0	
							0.0	
3	-3			10YR 7/1	GP	Light gray gravel. Dry. No odor, no staining.	0.0	
				10YR 4/3	MHSP	Dark grayish brown sandy silt. Little gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 8:25
4	-4						0.0	
							0.0	
5	-5			10YR 7/1	CLMH	Light gray gravel. Dry. No odor, no staining.	0.0	
		20/60		10YR 5/1	GP	Asphalt and gravel fill. Sub-rounded to sub-angular gravel. Fine to medium sand. Coarse sand.	0.0	
6	-6						0.0	
							0.0	
7	-7						0.0	
							0.0	
8	-8						1.0	Sample 2 @ 8:30
							3.2	
9	-9						3.5	
							4.2	
10							3.6	

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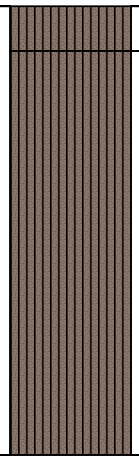
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS02

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	42/60		10YR 7/1	MHSP	Grayish brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 5/1	MHSP	Dark grayish brown sandy silt. Some sub-rounded to sub-angular gravel. Slightly moist. No odor, no staining.	0.0	
							0.0	
2	-2						0.0	
							0.0	
3	-3						0.0	Sample 1 @ 8:55
							0.0	
4	-4						0.0	
							0.0	
5	-5						0.0	
		54/60		10YR 5/2	SM	Grayish brown sandy gravel. Wet. No odor, no staining.	0.0	
6	-6			10YR 5/2	CL	Dark gray clay. Slightly moist. No odor, no staining.	0.0	
							0.0	
7	-7						0.0	
							0.0	
8	-8						0.0	Sample 2 @ 9:00
							0.0	
9	-9						0.0	
							0.0	
10							0.0	

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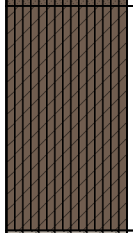
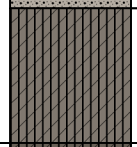
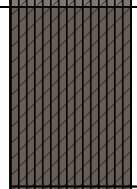
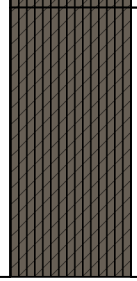
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS03

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	41/60		10YR 4/2	MHSP	Dark grayish brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1			10YR 4/2	MHCL	Dark grayish brown clayey silt. Little gravel. Slightly moist. No odor, no staining.	0.0	
							0.0	Sample 1 @ 9:10
2	-2						0.0	
							0.0	
							0.0	
3	-3			10YR 7/1	GP	Light gray sub-angular gravel. Slightly mosit. No odor, no staining.	0.0	
4	-4			10YR 5/1	CLMH	Dark gray silty clay. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 9:15
							0.0	
							0.0	
5	-5	31/60		10YR 4/1	MHCL	Light gray clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
6	-6						0.0	
							0.0	
7	-7			10YR 4/1	CLMH	Dark gray silty clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10							0.0	

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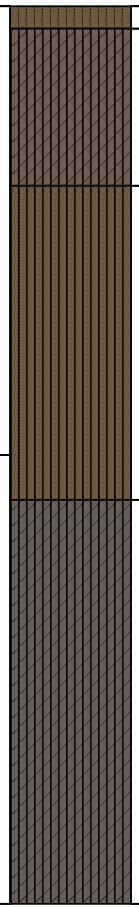
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS04

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	47/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 4/2	MHCL	Dark grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
2	-2						0.0	
				10YR 4/3	MHSP	Brown silty sand with fine to medium gravel. Slightly moist. No odor, no staining.	0.0	
3	-3						0.0	Sample 1 @ 9:25
							0.0	
4	-4						0.0	
							0.0	
5	-5						0.0	
		60/60					0.0	
6	-6			10YR 4/1	CLMH	Dark gray silty clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
7	-7						0.0	
							0.0	
8	-8						0.0	Sample 2 @ 9:30
							0.0	
9	-9						0.0	
							0.0	
10							0.0	

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS05

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	47/60		10YR 4/2	SM	Dark gray brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
				10YR 4/2	MHSP	Dark grayish brown sandy silt. Little sub-angular gravel. Slightly moist. No odor, no staining.	0.0	
1	-1						0.0	Sample 1 @ 9:40
2	-2			10YR 4/2	MHCL	Dark grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
3	-3						0.0	
							0.0	
4	-4						0.0	
							0.0	
5	-5						0.0	
		60/60		10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	Sample 2 @ 9:45
6	-6						0.0	
							0.0	
7	-7						0.0	
				10YR 5/2	CLMH	Grayish brown silty clay. Slightly Moist. No odor, no staining.	0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS06

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	20/60		10YR 4/3	SM	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
				10YR 2/1	GP	Asphalt fill material with sub-angular gravel. Moist. No odor, no staining.	0.0	
1	-1			10YR 4/3	SP	Brown sand, silt and sub-rounded to sub-angular gravel. Wet. No odor, no staining.	0.0	
2	-2						0.0	
							0.0	
3	-3						0.0	Sample 1 @ 9:55
							0.0	
4	-4						0.0	
							0.0	
5	-5			10YR 5/2	MHCL	Dark gray clayey silt. Slightly moist. No odor, no staining.	0.0	
		51/60		10YR 5/1	MHCL	Gray clayey silt. Slightly Moist. No odor, no staining.	0.0	
6	-6						0.0	
							0.0	
7	-7						0.0	
				10YR 6/2	CLMH	Light brownish gray silty clay. Slightly Moist. No odor, no staining.	0.0	Sample 2 @ 10:00
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10							0.0	

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS07

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	48/60		10YR 4/1	MHCL	Dark gray clayey silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
1	-1						0.0	
2	-2			10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 10:05
3	-3						0.0	
4	-4						0.0	
5	-5						0.0	
6	-6	60/60		10YR 5/2	CLMH	Grayish brown silty clay. Slightly moist. No odor, no staining.	0.0	
7	-7						0.0	Sample 2 @ 10:10
8	-8						0.0	
9	-9			10YR 4/1	CL	Dark gray clay. Slightly Moist. No odor, no staining.	0.0	
10							0.0	

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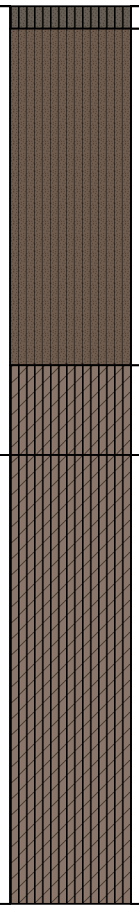
Scientists | Engineers | Program Managers

PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU05-SS08

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	21/60		10YR 4/2	MHSP	Dark grayish brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 4/2	SM	Dark grayish brown sand, silt and sub-rounded to sub-angular gravel.. Slightly moist. No odor, no staining.	0.0	
							0.0	
2	-2						0.0	
							0.0	Sample 1 @ 10:15
3	-3						0.0	
							0.0	
4	-4			10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
5	-5	12/60		10YR 5/2	CLMH	Grayish brown silty clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
6	-6						0.0	
							0.0	Sample 2 @ 10:20
7	-7						0.0	
							0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS01

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	38/60		10YR 4/2	MHSP	Dark grayish brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 5/2	GP	Dark grayish brown sand, silt and sub-rounded to sub-angular gravel. Slightly moist. No odor, no staining.	0.0	
							0.0	Sample 1 @ 11:55
2	-2						0.0	
							0.0	
3	-3						0.0	
				10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
4	-4						0.0	
							0.0	
5	-5	54/60					0.0	
				10YR 5/1	CLMH	Grayish silty clay. Slightly Moist. No odor, no staining.	0.0	
6	-6						0.0	Sample 2 @ 12:00
							0.0	
7	-7						0.0	
				10YR 5/1	CL	Clay. Slightly Moist. No odor, no staining.	0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
				10YR 4/1	CL	Clay. Slightly Moist. No odor, no staining.	0.0	
10							0.0	

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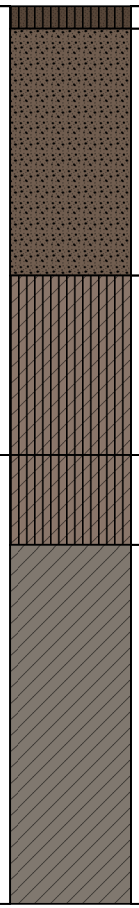
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS02

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	42/60		10YR 3/2	MHSP	Dark grayish brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 4/2	GP	Dark grayish brown sand, silt and sub-rounded to sub-angular gravel. Slightly moist. No odor, no staining.	0.0	
							0.0	Sample 1 @ 12:10
2	-2						0.0	
							0.0	
3	-3						0.0	
				10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
4	-4						0.0	
							0.0	
5	-5	54/60		10YR 5/2	CLMH	Grayish brown silty clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
6	-6			10YR 5/1	CL	Gray clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	Sample 2 @ 12:15
7	-7						0.0	
							0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10							0.0	

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS03

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	45/60		7.5YR 2/4	MHSP	Dark grayish brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	2.0	
							1.8	
1	-1			10YR 5/2	GP	Dark grayish brown sand, silt and sub-rounded to sub-angular gravel. Slightly moist. No odor, no staining.	0.2	Sample 1 @ 12:20
							0.0	
2	-2			10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
3	-3						0.0	
							0.0	
4	-4						0.0	
							0.0	
5	-5	51/60					0.0	
				10YR 5/2	CLMH	Grayish brown silty clay. Slightly Moist. No odor, no staining.	0.0	Sample 2 @ 12:25
6	-6						0.0	
							0.0	
7	-7						0.0	
				10YR 5/1	CL	Gray clay. Slightly Moist. No odor, no staining.	0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS04

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0			10YR 4/3	SPMH	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 4/2	MHSP	Dark grayish brown sandy silt. Little gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 12:35
2	-2	51/60		10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
3	-3						0.0	
							0.0	
4	-4						0.0	
							0.0	
5	-5						0.0	
							0.0	
6	-6						0.0	Sample 2 @ 12:40
							0.0	
7	-7						0.0	
		51/60		10YR 5/1	CL	Gray clay. Slightly Moist. No odor, no staining.	0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10							0.0	

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS05

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0			10YR 4/3	SPMH	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 4/2	GP	Dark grayish brown sand, silt and sub-angular gravel. Little gravel. Slightly moist. No odor, no staining.	0.0	Sample 1 @ 13:10
2	-2	48/60		10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
3	-3						0.0	
							0.0	
4	-4						0.0	
							0.0	
5	-5						0.0	
		54/60		10YR 5/1	CL	Gray clay. Slightly Moist. No odor, no staining.	0.0	Sample 2 @ 13:15
6	-6						0.0	
							0.0	
7	-7						0.0	
							0.0	
8	-8						0.0	
							0.0	
9	-9						0.0	
							0.0	
10							0.0	

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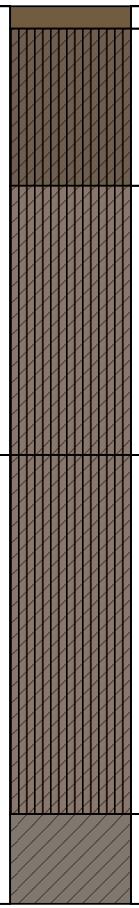
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS06

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	42/60		10YR 4/3	SPMH	Brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.9	
1	-1			10YR 4/2	MHCL	Dark grayish brown clayey silt. Slightly moist. No odor, no staining.	1.5	
							0.0	
2	-2						0.0	
						Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
3	-3			10YR 5/2	MHCL		0.0	Sample 1 @ 13:25
							0.0	
4	-4						0.0	
							0.0	
5	-5	51/60				Grayish brown silty clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
6	-6						0.0	
							0.0	
7	-7			10YR 5/2	CLMH		0.0	
							0.0	Sample 2 @ 13:30
8	-8						0.0	
							0.0	
9	-9						0.0	
				10YR 5/1	CL	Gray clay. Slightly Moist. No odor, no staining.	0.0	
10							0.0	

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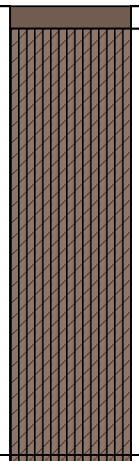
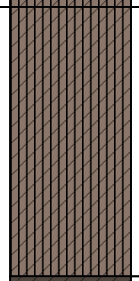
PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS07

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	42/60		10YR 4/2	SPMH	Dark grayish brown silty sand. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
2	-2						0.0	
							0.0	
3	-3						0.0	Sample 1 @ 13:35
							0.0	
4	-4						0.0	
							0.0	
5	-5	57/60				Grayish brown silty clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
6	-6			10YR 5/2	MHCL		0.0	
							0.0	
7	-7						0.0	
							0.0	Sample 2 @ 13:40
8	-8					Verk dary gray clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
9	-9			10YR 3/1	CL		0.0	
							0.0	
10							0.0	

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Cascade
DRILLED BY:
TYPE OF DRILLING RIG:
METHOD OF DRILLING: Direct Push Technology
METHOD OF SAMPLING:
GROUNDWATER LEVELS:

TRANSCRIBED BY: E. Boesch Dining
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 08/09/23
COMPLETION DATE: 08/09/23
MON. WELL NO.: NA
CHECKED BY:

BORING NO.: DOW-DU06-SS08

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	51/60		10YR 4/2	MHSP	Dark grayish brown sandy silt. Some organics (grass, roots). Slightly moist. No odor, no staining.	0.0	
							0.0	
1	-1			10YR 4/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
							0.0	
2	-2						0.0	
				10YR 5/2	MHCL	Grayish brown clayey silt. Slightly moist. No odor, no staining.	0.0	
3	-3						0.0	Sample 1 @ 13:55
							0.0	
4	-4						0.0	
							0.0	
5	-5						0.0	
		48/60		10YR 5/1	CLMH	Grayish silty clay. Saturated. No odor, no staining.	0.0	
6	-6						0.0	
							0.0	
7	-7			10YR 5/1	CLMH	Grayish silty clay. Slightly Moist. No odor, no staining.	0.0	
							0.0	
8	-8						0.0	Sample 2 @ 14:00
							0.0	
9	-9						0.0	
				10YR 4/1	CL	Dark gray clay. Slightly Moist. No odor, no staining.	0.0	
10							0.0	

Attachment C-3

Drain Line Soil Boring Logs

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Mabbett
DRILLED BY: N. Podmaska
TYPE OF DRILLING RIG: Manual Hammer
METHOD OF DRILLING: Direct Push
METHOD OF SAMPLING: Macrocore Sleeve
GROUNDWATER LEVELS: ~4' below ground surface (perched)

TRANSCRIBED BY: J. Idzenga
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 10/11/23
COMPLETION DATE: 10/11/23
MON. WELL NO.: NA
CHECKED BY: JI

BORING NO.: DOW-SB-201

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0							
1	-1	5/60		10YR 3/3	SM	Brown silty sand. Some organics, Some sub-rounded Gravel. Dry to Slightly moist at 3.5'. No odor, no staining.	0.0	
2	-2							
3	-3	5/60					0.0	
4	-4							
5	-5	5/60		10YR 4/1	SP	Dark Grey Sand and Gravel (Fill). Wet. No odor, no staining.	0.0	Sample SB-201-0405 @ 10:45 Sample SB-201-0506 @ 10:50
6	-6							
7	-7	5/60		10YR 4/1	CL	Dark gray Silty CLAY. Moist. No odor, no staining.	0.0	
8	-8							
9	-9					End Of Boring		
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Mabbett
DRILLED BY: N. Podmaska
TYPE OF DRILLING RIG: Manual Hammer
METHOD OF DRILLING: Direct Push
METHOD OF SAMPLING: Macrocore Sleeve
GROUNDWATER LEVELS: ~4' below ground surface

TRANSCRIBED BY: J. Idzenga
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 10/11/23
COMPLETION DATE: 10/11/23
MON. WELL NO.: NA
CHECKED BY: JI

BORING NO.: DOW-SB-202

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	5/60		10YR 4/2	SM	Brown silty SAND. Some Sub-rounded Gravel. Slightly moist. No odor, no staining.	0.0	
1	-1						10.1	
2	-2	5/60					63.1	
3	-3						48.7	
4	-4	5/60		10YR 4/1	SP	Dark Grey Sand and Gravel (Fill). Wet. Strong Diesel Odor. Sheen observed on saturated soil.	33.1	Sample SB-202-0405 @ 12:50
5	-5			10YR 4/1	CL	Dark gray Silty CLAY. Moist. Slight petroluem odor. No staining.	10.1	Sample SB-202-0506 @ 12:35 & DUP9
6	-6					End Of Boring		
7	-7							
8	-8							
9	-9							
10								

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PROJECT NAME: Former DOW AFB Aviation Fuel Filter/ Drum/TCE Disposal Area Phase III RI, Bangor, ME
PROJECT NO.: D01ME0004 02
LOGGED BY: J. Idzenga, PG
DRILLING COMPANY: Mabbett
DRILLED BY: N. Podmaska
TYPE OF DRILLING RIG: Manual Hammer
METHOD OF DRILLING: Direct Push
METHOD OF SAMPLING: Macrocore Sleeve
GROUNDWATER LEVELS: ~4' below ground surface (perched)

TRANSCRIBED BY: J. Idzenga
ELEVATION FROM:
OTHER OBSERVATIONS:

START DATE: 10/11/23
COMPLETION DATE: 10/11/23
MON. WELL NO.: NA
CHECKED BY: JI

BORING NO.: DOW-SB-203R

Depth (FT)	Surf. Elev. 0	Sample Recovery/ Sample Length	Graphic	Munsell Color Notation	USCS Notation	Material Classification	Field Screening (ppmv)	Sample Time & Sample No. (QA/QC Status)
0	0	5/60		10YR 4/2	SM	Dark Grayish brown Silty SAND. Some sub-rounded Gravel. Moist. No odor, no staining.	5.5	
1	-1						23.4	
2	-2	5/60			SM	Dark Grayish brown Silty SAND. Some sub-rounded Gravel. Saturated Strong petroluem odor with noticable staining.	93.1	Sample SB-203R-0204 @ 15:05
3	-3						122.4	
4	-4	5/60		10YR 4/2	SP	Dark Grayish brown SAND and Gravel. Saturated. Strong petroluem odor with noticable staining.	1.5	Sample SB-203R-0405 @ 15:00
5	-5			10YR 4/2	CL	Dark Grayish brown Silty CLAY. Slightly Moist. No visible sheet but has a slight odor.	0.4	Sample SB-203R-0506 @ 15:05 & DUP9
6	-6					End Of Boring		
7	-7							
8	-8							
9	-9							
10								

Attachment C-4

Drain Line Water Sample Logs

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LOW FLOW/LOW STRESS PURGE DATA LOG SHEET

Site Name: Former Dow Air Force Base
Location ID: AQ-201 (SB-201)
Site Location: Bangor, ME
Project Number: R2022057.000
Date: 10/12/2023 **Time:** 0740
Personnel: NVP, EBD
Sample Method: Peristaltic Pump

		At Start	At End
Depth to Water:	5.55'		
Total Depth:	7.52'	Sheen Observed:	No	No
Water Column:	1.97'	Odor Observed:	No	No
	stickup = 31"		PID = 0.0 ppmv	

PURGE DATA

Time	Water Depth (ft.)	Purge Rate (mL/min)	Temp. (°C)	pH	ORP (mV)	Sp. Conductivity (mS/CM)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)
0730	START PURGE								
0730	5.55	--	14.09	6.89	221.9	0.224	>1000	0.49	--
0745	5.62	--	15.54	6.60	204.4	0.170	140	1.10	--

SAMPLE ANALYSIS

Analysis	Container Type/Size	Number Collected	Field Filtered	Preservative
VOCs	40 mL vial	3	N	HCl
PAHs	1 Liter amber	2	N	ice
Metals (total)	250 mL poly	1	N	HNO3
Metals (diss)	250 mL poly	1	Y	HNO3

QC Sample Collected?
Yes **/ No**

ID: DOW-AQ-201-A-OUT-0405

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LOW FLOW/LOW STRESS PURGE DATA LOG SHEET

Site Name: Former Dow Air Force Base
Location ID: AQ-202 (SB-202)
Site Location: Bangor, ME
Project Number: R2022057.000
Date: 10/12/2023 **Time:** 0820
Personnel: NVP, EBD
Sample Method: Peristaltic Pump

		At Start	At End
Depth to Water:	4.11'		
Total Depth:	8.75'	Sheen Observed: No	No
Water Column:	4.64'	Odor Observed: No	No
	stickup = 39.5"	PID = 73.9 ppmv	

PURGE DATA

Time	Water Depth (ft.)	Purge Rate (mL/min)	Temp. (°C)	pH	ORP (mV)	Sp. Conductivity (mS/CM)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)
0810	START PURGE								
0810	4.11	--	14.33	7.26	30.3	0.439	>1000	0.50	--
0825	4.11	--	15.35	7.29	-51.3	0.521	>1000	0.34	--

SAMPLE ANALYSIS

Analysis	Container Type/Size	Number Collected	Field Filtered	Preservative
VOCs	40 mL vial	3	N	HCl
PAHs	1 Liter amber	2	N	ice
Metals (total)	250 mL poly	1	N	HNO3
Metals (diss)	250 mL poly	1	Y	HNO3

QC Sample Collected?
Yes **/ No**

ID: DOW-AQ-202-A-OUT-0405

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LOW FLOW/LOW STRESS PURGE DATA LOG SHEET

Site Name: Former Dow Air Force Base **Location ID:** AQ-203 (SB-203)
Site Location: Bangor, ME
Project Number: R2022057.000 **Date:** 10/12/2023 **Time:** 0850
Personnel: NVP, EBD **Sample Method:** Peristaltic Pump

		At Start	At End
Depth to Water:	3.54'		
Total Depth:	7.04'	Sheen Observed: No	No
Water Column:	3.50'	Odor Observed: No	No
	stickup = 30"	PID = 18.6 ppmv	

PURGE DATA

Time	Water Depth (ft.)	Purge Rate (mL/min)	Temp. (°C)	pH	ORP (mV)	Sp. Conductivity (mS/CM)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)
0840	START PURGE								
0840	3.54	--	14.26	7.67	29.6	0.394	>1000	0.43	--
0855	3.90	--	14.82	7.43	16.7	0.324	110	1.25	--

SAMPLE ANALYSIS

Analysis	Container Type/Size	Number Collected	Field Filtered	Preservative
VOCs	40 mL vial	3	N	HCl
PAHs	1 Liter amber	2	N	ice
Metals (total)	250 mL poly	1	N	HNO3
Metals (diss)	250 mL poly	1	Y	HNO3

QC Sample Collected?
Yes **/ No**

ID: DOW-AQ-203-A-OUT-0405

Mabbett®
Scientists | Engineers | Program Managers

LOW FLOW/LOW STRESS PURGE DATA LOG SHEET

Site Name: Former Dow Air Force Base
Location ID: AQ-204 (catch basin)
Site Location: Bangor, ME
Project Number: R2022057.000
Date: 10/12/2023 **Time:** 0910
Personnel: NVP, EBD
Sample Method: Peristaltic Pump

			At Start	At End
Depth to Water:	0.00'			
Total Depth:	3.0'	Sheen Observed:	No	No
Water Column:	NA	Odor Observed:	No	No

PURGE DATA

Time	Water Depth (ft.)	Purge Rate (mL/min)	Temp. (°C)	pH	ORP (mV)	Sp. Conductivity (mS/CM)	Turbidity (NTU)	DO (mg/L)	Salinity (ppt)
0855	START PURGE								
0900	NA	400	15.28	7.39	45.5	0.316	23.9	1.50	--
0915	NA	400	15.69	7.37	54.9	0.318	15.7	1.55	--

SAMPLE ANALYSIS

Analysis	Container Type/Size	Number Collected	Field Filtered	Preservative
VOCs	40 mL vial	3	N	HCl
PAHs	1 Liter amber	2	N	ice
Metals (total)	250 mL poly	1	N	HNO3
Metals (diss)	250 mL poly	1	Y	HNO3

QC Sample Collected?
Yes **/ No**

ID: DOW-AQ-204-B-IN-0405

ATTACHMENT D

IDW Management Documents

DOW PHASE III RI IDW CHARACTERIZATION RESULTS

METHOD	PARAMETER	Units	RCRA LIMITS	DOW-AWQC-01		DOW-SWQC-01	
				Result	Flag	Result	Flag
TCLP SW6010C RCRA Metals	ARSENIC, TCLP	µg/L	5,000	25	U	25	U
	BARIUM, TCLP	µg/L	100,000	288		**99.1**	**B**
	CADMIUM, TCLP	µg/L	1,000	15	U	15	U
	CHROMIUM, TCLP	µg/L	5,000	**24**	**J**	20	U
	LEAD, TCLP	µg/L	5,000	20	U	20	U
	SELENIUM, TCLP	µg/L	1,000	35	U	35	U
	SILVER, TCLP	µg/L	5,000	20	U	20	U
	MERCURY, TCLP	µg/L	200	0.1	U	0.1	U
TCLP SW8081B OC Pesticides	ENDRIN	µg/L	20	0.25	U	0.25	U
	GAMMA BHC	µg/L	400	0.12	U	0.12	U
	HEPTACHLOR	µg/L	8	0.12	U	0.12	U
	HEPTACHLOR EPOXIDE	µg/L	8	0.12	U	0.12	U
	METHOXYCHLOR	µg/L	10,000	1.2	U	1.2	U
	TECHNICAL CHLORDANE	µg/L	30	1.2	U	1.2	U
	TOXAPHENE	µg/L	500	2.5	U	2.5	U
TCLP SW8151A Herbicides	2,4-D	µg/L	10,000	7.5	U	7.5	U
	SILVEX	µg/L	1,000	7.5	U	7.5	U
TCLP SW8260C VOCs	1,1-DICHLOROETHENE	µg/L	700	15	U	15	U
	1,2-DICHLOROETHANE	µg/L	500	10	U	10	U
	2-BUTANONE	µg/L	200,000	60	U	60	U
	BENZENE	µg/L	500	15	U	15	U
	CARBON TETRACHLORIDE	µg/L	500	10	U	10	U
	CHLOROBENZENE	µg/L	100,000	10	U	10	U
	CHLOROFORM	µg/L	5,000	15	U	15	U
	TETRACHLOROETHENE	µg/L	700	20	U	20	U
	TRICHLOROETHENE	µg/L	500	15	U	15	U
	VINYL CHLORIDE	µg/L	200	20	U	20	U
TCLP SW8270D SVOCs	1,4-DICHLOROBENZENE	µg/L	7,500	38	U	38	U
	2,4,5-TRICHLOROPHENOL	µg/L	400,000	100	U	100	U
	2,4,6-TRICHLOROPHENOL	µg/L	2,000	38	U	38	U
	2,4-DINITROTOLUENE	µg/L	130	38	U	38	U
	2-METHYLPHENOL	µg/L	200,000	55	U	55	U
	CRESOLS, M & P	µg/L	200,000	75	U	75	U
	HEXACHLOROBENZENE	µg/L	130	38	U	38	U
	HEXACHLOROBUTADIENE	µg/L	500	38	U	38	U
	HEXACHLOROETHANE	µg/L	3,000	38	U	38	U
	NITROBENZENE	µg/L	2,000	38	U	38	U
	PENTACHLOROPHENOL	µg/L	100,000	100	U	100	U
	PYRIDINE	µg/L	5,000	38	U	38	U
SW9040C	PH	UNITS	12.5	12.0		7.9	
SW1010C	IGNITABILITY	°C	60°C	>71°C		>71°C	
SW7.3.3.2	CYANIDE, REACTIVE	mg/kg	30	10	U	10	U
SW7.3.4.1	SULFIDE, REACTIVE	mg/kg	590	40	U	40	U

Notes:

Analyte detections in bold

Laboratory Qualifiers

B. Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

J. Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), but above the Method Detection Limit (MDL).

U. Indicates the compound was analyzed for but not detected above the specified level. This level may be the Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

SOIL IDW PFAS RESULTS
Katahdin Analytical Services SQ5564

PFAS COMOUND	UNITS	DOW-PFAS-1012		DOW-SWC-01	
		Result	Flag	Result	Flag
11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID	ng/g		U		U
3:3 FLUOROTELOMER CARBOXYLIC ACID	ng/g		U		U
4,8-DIOXA-3H-PERFLUORONONANOIC ACID	ng/g		U		U
4:2-FLUOROTELOMER SULFONIC ACID	ng/g		U		U
5:3 FLUOROTELOMER CARBOXYLIC ACID	ng/g		U		U
6:2 FLUOROTELOMER SULFONIC ACID	ng/g	**50**			U
7:3 FLUOROTELOMER CARBOXYLIC ACID	ng/g		U		U
8:2 FLUOROTELOMER SULFONIC ACID	ng/g		U		U
9-CHOLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID	ng/g		U		U
HEXAFLUOROPROPYLENE OXIDE DIMER ACID	ng/g		U		U
N-ETHYL PERFLUOROOCTANE SULFONAMIDE	ng/g		U		U
N-ETHYL PERFLUOROOCTANE SULFONAMIDOACETIC ACID	ng/g		U		U
N-ETHYL PERFLUOROOCTANE SULFONAMIDOETHANOL	ng/g		U		U
N-METHYL PERFLUOROOCTANE SULFONAMIDE	ng/g		U		U
N-METHYL PERFLUOROOCTANE SULFONAMIDOACETIC ACID	ng/g		U		U
N-METHYL PERFLUOROOCTANE SULFONAMIDOETHANOL	ng/g		U		U
PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID	ng/g		U		U
PERFLUORO-3,6-DIOXAHEPTANOIC ACID	ng/g		U		U
PERFLUORO-3-METHOXYPROPANOIC ACID	ng/g		U		U
PERFLUORO-4-METHOXYBUTANOIC ACID	ng/g		U		U
PERFLUOROBUTANE SULFONIC ACID	ng/g		U	**0.073**	**J**
PERFLUOROBUTANOIC ACID	ng/g		U		U
PERFLUORODECANESULFONIC ACID	ng/g		U		U
PERFLUORODECANOIC ACID	ng/g		U		U
PERFLUORODODECANE SULFONIC ACID	ng/g		U		U
PERFLUORODODECANOIC ACID	ng/g		U		U
PERFLUOROHEPTANE SULFONIC ACID	ng/g		U		U
PERFLUOROHEPTANOIC ACID	ng/g		U		U
PERFLUOROHEXANE SULFONIC ACID	ng/g	**1**		**1**	
PERFLUOROHEXANOIC ACID	ng/g	**0.33**		**0.19**	**J**
PERFLUORONONANE SULFONIC ACID	ng/g		U		U
PERFLUORONONANOIC ACID	ng/g		U		U
PERFLUOROOCTANE SULFONAMIDE	ng/g	**0.13**	**J**	**0.088**	**J**
PERFLUOROOCTANE SULFONIC ACID	ng/g	**4.8**		**2.8**	
PERFLUOROOCTANOIC ACID	ng/g	**0.38**		**0.17**	**J**
PERFLUOROPENTANE SULFONIC ACID	ng/g		U	**0.085**	**J**
PERFLUOROPENTANOIC ACID	ng/g		U		U
PERFLUOROTETRADECANOIC ACID	ng/g		U		U
PERFLUOROTRIDECANOATE	ng/g		U		U
PERFLUOROUNDECANOIC ACID	ng/g		U		U

Notes:
Detections in bold

Laboratory Qualifiers

J. Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), but above the Method Detection Limit (MDL).

U. Indicates the compound was analyzed for but not detected above the specified level. This level may be the Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as “U” MDL have a 50% rate for false negatives compared to those results reported as “U” PQL “U” LOQ or “U” LOD, where the rate of false negatives is <1%.

REPUBLIC SERVICES

Form ID : 889518

WASTE/MATERIAL PROFILE FORM

A. GENERATOR/CUSTOMER INFORMATION

1. Generator: United States Army Corps of Engineers

2. Site Address: (USACE)-New England District,Former Dow Air Force Base, 250 Hildreth Street North

City: Bangor **Phone:** (978) 318-8147

State: ME **Zip:** 04401 **Country:** USA

☐ **P.O. required for payment?** *If yes, include:* 240166

8. Invoicing company: STRATEGIC ENVIRONMENTAL SERVICES INC

3. Mailing Address: 696 Virginia Road

City: Concord

State: MA **Zip:** 01742 **Country:** USA

9. Invoicing Address : 362 PUTNAM HILL ROAD

City: SUTTON

State: MA **Zip:** 01590 **Country:** USA

4. Technical Contact: Erin Kirby

10. Customer Contact: Cindy Pepin

5. Phone: (978) 318-8147 **Email:** Erin.Kirby@usace.army.mil

11. Phone: (603) 421-6391 **Email:** cpepin@strategic-es.com

6. Generator Status: ○ SQG ○ LQG ○ VSQG/CESQG ◉ Not Applicable

7. EPA ID #: N/A **NAICS CODE:** 924120 **State ID #:**

B. WASTE/MATERIAL STREAM

1. Common Name: PFAS Impacted IDW Solids (Soils and Poly Debris)

2. Generating Process: See profile form - continuation (Generating Process) for full description

3. Source Code: G19 **Form Code:** W301

C. SHIPPING/PACKAGING INFORMATION

1. DOT Hazardous Materials? ○ Yes ◉ No **Proper Shipping Name:** Material Not Regulated By D.O.T.

2. Additional Description:

3. RQ: ○ Yes ◉ No **RQ Reason:** **RQ Threshold:** **UN/NA#:**

Packing Group: **ERG#:** **Hazard Class:**

4. DOT Special Permit? ○ Yes ◉ No **Permit #:**

5. 24-Hour Emergency Phone: (508) 757-7782 **6. DOT Inhalation Hazard?** ○ Yes ◉ No

7. Container Type: ☐ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☑ Drums ☐ Cylinder **Container size:** 55 Gallon Drum

☐ Lab Pack *(If 40 CFR 264.316/49 CFR 173.12(b) Lab Pack Inventory lists required)*

☐ Combination Containers *(e.g., inner containers)* **Describe:**

☐ Other, **Describe:**

8. Volume/Frequency: **Volume:** 15600 **Units:** Pounds

Frequency: ○ Year ○ Quarterly ○ Monthly ◉ 1 Time ○ Other, **Describe:**

D. PHYSICAL PROPERTIES (See Continuation for D.1)

1. Physical Description *(e.g. soil, water, PPE, debris, sorbent, etc. Include 100% of container content. If debris, provide dimensions & weight.)*

Description	Typical (%)	Min (%)	Max (%)
IDW Soils	100	0	100
Poly sheeting, used for decon stations	100	0	100
Sample ID DOW-SWC-01 TCLP data in SQ5109 CD	0	0	0.0

2. Odor: ◉ None ○ Slight ○ Strong **Odor type:** ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Other **Describe:**

3. Physical State: (at 70°F) ☑ Solid ☐ Dust/Powder ☑ Debris ☐ Sludge/Slurry ☐ Liquid ☐ Gas/Aerosol ☐ Varies

4. Color: BROWN:VARIES **5. Liquid phases:** ○ Single ○ Double Layer ○ Multi-layer ◉ N/A

6.Is it solid using the paint filter test? *(40 CFR Part 264.314(b))* ◉ Yes (Solid) ○ No (Not Solid)

Is there a possibility of incidental liquids from transportation? ○ Yes ◉ No

7. pH: (If solid, provide estimated pH if mixed 50:50 with water) ☐ <=2 ☐ 2.1 - 4.9 ☑ 5 - 10 ☐ 10.1 - 12.4 ☐ >=12.5

8. Flash Point: °F and/or ☐ <90 °F ☐ 90 - 139 °F ☑ 140 - 199 °F ☐ >=200 °F ☐ Does not flash ☐ Flammable solid

BTU/lb. Value: and/or ◉ <5000 BTU ○ >=5000 BTU

9. Are there any known handling/treatment issues involving this material? *(i.e. Describe whether the waste stream has ever been the direct or suspected cause of a fire or other reaction, and whether there are any specific controls you use to prevent any adverse reactions?)* ○ Yes ◉ No

E. CHARACTERIZATION & CHEMICAL COMPOSITION

1. Robstown Facility Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ○ N/A **TX State Code:**

Pennsylvania Residual Waste: ○ Yes ◉ No **PA State Code (s):**

2. State Waste Codes:	None									
3. RCRA Waste Codes:	None									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ◉ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's, TRI Section 313 chemicals, OSHA Hazardous Materials, PFAS Constituents, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Barium	ug/L	◉	○	99.1			☐	☐
Perfluorooctanoic Acid (PFOA)	ppb	○	◉		0.17	0.38	☐	☐
Perfluorooctane sulfonic acid (PFOS)	ppb	○	◉		2.8	4.8	☐	☐
Perfluorohexanesulfonic acid (PFHxS)	ppb	○	◉	1	1	1	☐	☐
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	ppb	○	◉		<0.35	50	☐	☐
Perfluorohexanoic Acid (PFHxA)	ppb	○	◉		0.19	0.33	☐	☐
Perfluorobutanesulfonic acid (PFBS)	ppb	○	◉		<0.07	0.073	☐	☐
Perfluoropentane-1-sulfonic acid (PFPeS)	ppb	○	◉		<0.083	0.085	☐	☐

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	**2. Reactive Sulfides :** **ppm**	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	**4. Reactive Cyanides:** **ppm**	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	**6. Reactive Other:**	○ Yes ◉ No
		Describe:	
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	**8. Polychlorinated Biphenyls (PCB):**	○ Yes ◉ No
9. Dioxins and/or Furans:	○ Yes ◉ No	**10. Metal Fines/Powder/Paste:**	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	**12. Temperature Controlled:**	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	**14. Biodegradable Sorbents:**	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	**16. Used Oil:**	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	**18. Tires:**	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	**20. Beryllium:**	○ Yes ◉ No
21. Ammonia/Ammonia Compounds:	○ Yes ◉ No	**22. Per-and Polyfluoroalkyl Substances (PFAS):**	◉ Yes ○ No

23. Asbestos: ○ Yes ◉ **No**

24. Hazardous Secondary Material: ○ Yes ◉ No

25. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ○ No ◉ N/A

Form ID: 889518

G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* ◉ <500 ppmw ○ ≥500 ppmw

2. Has the material been treated after the initial point of generation? ○ Yes ◉ No

3. If RCRA Hazardous:

- ○ Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2
- ○ Non-wastewater TSS/TOC>WW
- ○ Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49
- ○ Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size
  - ☐ I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means
  - ☐ I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3
- ○ Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ○ Yes ◉ No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

☐ Yes ☑ No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? ○ Yes ◉ No

2. Requested Technology:

3. Thermal Processing: ○ Yes ◉ No

4. Other specific restrictions requested:

5. Requested Facility:

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize Republic Services personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. Republic Services may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize Republic Services personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by Republic Services. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Signed on behalf of

Print Name:	Erin Kirby	**Signature:**	KIRBY.ERIN.MARGARET.1545987577 Digitally signed by KIRBY.ERIN.MARGARET.1545987577 Date: 2024.04.18 08:06:53 -04'00'
Title:	Project Manager		
Date:		**Company:**	US Army Corps of Engineers-NE District

Form ID: 889518

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process: Investigation derived wastes (IDW) from soil investigation in an area adjacent to a Formerly Used Defense Site (FUDS), a formerly active military airfield. During prior investigations, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), PCBs and metals were detected. Note that PCBs were never detected at concentrations above 10 mg/kg in soil samples at the site and metals were suspected as a potential contaminant due to the identification of yellow paint on surfaces during site reconnaissance. Metals have not been detected in site soils above site background levels.

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Physical Description)

D. PHYSICAL PROPERTIES

1. Physical Description :

Description	Typical (%)	Min (%)	Max (%)
Sample DOW-SWC-01, DOW-PFAS-1012 PFAS in SQ5564	0	0	0.0

REPUBLIC SERVICES

Form ID : 889599

WASTE/MATERIAL PROFILE FORM

A. GENERATOR/CUSTOMER INFORMATION

1. Generator: United States Army Corps of Engineers

2. Site Address: (USACE)-New England District,Former Dow Air Force Base, 250 Hildreth Street North

City: Bangor **Phone:** (978) 318-8147

State: ME **Zip:** 04401 **Country:** USA

☐ **P.O. required for payment?** *If yes, include:* 240166

8. Invoicing company: STRATEGIC ENVIRONMENTAL SERVICES INC

3. Mailing Address: 696 Virginia Road

City: Concord

State: MA **Zip:** 01742 **Country:** USA

9. Invoicing Address : 362 PUTNAM HILL ROAD

City: SUTTON

State: MA **Zip:** 01590 **Country:** USA

4. Technical Contact: Erin Kirby

10. Customer Contact: Cindy Pepin

5. Phone: (978) 318-8147 **Email:** Erin.Kirby@usace.army.mil

11. Phone: (603) 421-6391 **Email:** cpepin@strategic-es.com

6. Generator Status: ○ SQG ○ LQG ○ VSQG/CESQG ◉ Not Applicable

7. EPA ID #: N/A **NAICS CODE:** 924120 **State ID #:**

B. WASTE/MATERIAL STREAM

1. Common Name: PFAS Impacted IDW Liquids (Purge and Decon Water)

2. Generating Process: See profile form - continuation (Generating Process) for full description

3. Source Code: G19 **Form Code:** W101

C. SHIPPING/PACKAGING INFORMATION

1. DOT Hazardous Materials? ○ Yes ◉ No **Proper Shipping Name:** Material Not Regulated By D.O.T.

2. Additional Description:

3. RQ: ○ Yes ◉ No **RQ Reason:** **RQ Threshold:** **UN/NA#:**

Packing Group: **ERG#:** **Hazard Class:**

4. DOT Special Permit? ○ Yes ◉ No **Permit #:**

5. 24-Hour Emergency Phone: (508) 757-7782 **6. DOT Inhalation Hazard?** ○ Yes ◉ No

7. Container Type: ☐ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☑ Drums ☐ Cylinder **Container size:** 55 Gallon Drum

☐ Lab Pack *(If 40 CFR 264.316/49 CFR 173.12(b) Lab Pack Inventory lists required)*

☐ Combination Containers *(e.g., inner containers)* **Describe:**

☐ Other, **Describe:**

8. Volume/Frequency: **Volume:** 2255 **Units:** Gallons

Frequency: ○ Year ○ Quarterly ○ Monthly ◉ 1 Time ○ Other, **Describe:**

D. PHYSICAL PROPERTIES (See Continuation for D.1)

1. Physical Description *(e.g. soil, water, PPE, debris, sorbent, etc. Include 100% of container content. If debris, provide dimensions & weight.)*

Description	Typical (%)	Min (%)	Max (%)
Decontamination water	100	0	100
Purge water	100	0	100
Sample ID DOW-AQWC-01 in SQ5108 CD	0	0	0.0

2. Odor: ◉ None ○ Slight ○ Strong **Odor type:** ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Other **Describe:**

3. Physical State: (at 70°F) ☐ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge/Slurry ☑ Liquid ☐ Gas/Aerosol ☐ Varies

4. Color: COLORLESS:BROWN **5. Liquid phases:** ◉ Single ○ Double Layer ○ Multi-layer ○ N/A

6.Is it solid using the paint filter test? *(40 CFR Part 264.314(b))* ○ Yes (Solid) ◉ No (Not Solid)

Is there a possibility of incidental liquids from transportation? ○ Yes ◉ No

7. pH: (If solid, provide estimated pH if mixed 50:50 with water) ☐ <=2 ☐ 2.1 - 4.9 ☐ 5 - 10 ☑ 10.1 - 12.4 ☐ >=12.5

8. Flash Point: **°F** and/or ☐ <90 **°F** ☐ 90 - 139 **°F** ☑ 140 - 199 **°F** ☐ >=200 **°F** ☐ Does not flash ☐ Flammable solid

BTU/lb. Value: and/or ◉ <5000 BTU ○ >=5000 BTU

9. Are there any known handling/treatment issues involving this material? *(i.e. Describe whether the waste stream has ever been the direct or suspected cause of a fire or other reaction, and whether there are any specific controls you use to prevent any adverse reactions?)* ○ Yes ◉ No

E. CHARACTERIZATION & CHEMICAL COMPOSITION (See Continuation for E.6)

1. Robstown Facility Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ○ N/A **TX State Code:**

Pennsylvania Residual Waste: ○ Yes ◉ No **PA State Code (s):**

2. State Waste Codes:	None									
3. RCRA Waste Codes:	None									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ◉ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's, TRI Section 313 chemicals, OSHA Hazardous Materials, PFAS Constituents, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Barium	ug/L	◉	○	288			☐	☐
Chromium	ug/L	◉	○	24			☐	☐
Perfluorooctanoic Acid (PFOA)	ug/L	○	◉	0.19	0.19	0.19	☐	☐
Perfluorooctane sulfonic acid (PFOS)	ug/L	○	◉		1.3	1.6	☐	☐
Perfluorononanoic acid (PFNA)	ug/L	○	◉		0.0076	0.0081	☐	☐
Perfluorohexanesulfonic acid (PFHxS)	ug/L	○	◉	1.1	1.1	1.1	☐	☐
Perfluorobutanoic Acid (PFBA)	ug/L	○	◉	0.037	0.037	0.037	☐	☐
Perfluoropentanoic acid (PFPeA)	ug/L	○	◉		0.083	0.086	☐	☐
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	ug/L	○	◉		0.19	0.2	☐	☐

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	**2. Reactive Sulfides : ppm**	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	**4. Reactive Cyanides: ppm**	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	**6. Reactive Other:**	○ Yes ◉ No
		Describe:	
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	**8. Polychlorinated Biphenyls (PCB):**	○ Yes ◉ No
9. Dioxins and/or Furans:	○ Yes ◉ No	**10. Metal Fines/Powder/Paste:**	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	**12. Temperature Controlled:**	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	**14. Biodegradable Sorbents:**	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	**16. Used Oil:**	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	**18. Tires:**	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	**20. Beryllium:**	○ Yes ◉ No
21. Ammonia/Ammonia Compounds:	○ Yes ◉ No	**22. Per-and Polyfluoroalkyl Substances (PFAS):**	◉ Yes ○ No

23. Asbestos: ○ Yes ◉ **No**

24. Hazardous Secondary Material: ○ Yes ◉ No

25. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ○ No ◉ N/A

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G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* ◉ <500 ppmw ○ ≥500 ppmw

2. Has the material been treated after the initial point of generation? ○ Yes ◉ No

3. If RCRA Hazardous:

- ○ Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2
- ○ Non-wastewater TSS/TOC>WW
- ○ Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49
- ○ Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size
  - ☐ I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means
  - ☐ I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3
- ○ Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ○ Yes ◉ No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

☐ Yes ☑ No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? ○ Yes ◉ No

2. Requested Technology:

3. Thermal Processing: ○ Yes ◉ No

4. Other specific restrictions requested:

5. Requested Facility:

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize Republic Services personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. Republic Services may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize Republic Services personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by Republic Services. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Signed on behalf of

Print Name:	Erin Kirby	**Signature:**	KIRBY.ERIN.MARGARET.1545987577 Digitally signed by KIRBY.ERIN.MARGARET.1545987577 Date: 2024.04.18 08:07:57 -04'00'
Title:	Project Manager		
Date:		**Company:**	US Army Corps of Engineers-NE District

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WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process: Investigation derived wastes(IDW) from groundwater investigation in an area adjacent to a Formerly Used Defense Site, a formerly active military airfield.During prior investigations, volatile organic compounds, polycyclic aromatic hydrcarbons, PCB's & metals. PCBs were never detected at concentrations >10 mg/kg in soil samples at the site.Metals were suspected as a potential contaminant due to yellow paint discovered on some surfaces, but have not been detected in site soils above site background levels.Purgewater from monitoring well development.Decon water from decon of sample equipment

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Physical Description)

D. PHYSICAL PROPERTIES

1. Physical Description :

Description	Typical (%)	Min (%)	Max (%)
DOW-AQWC-01, DOW-PFAS-1012-DL in SQ5564	0	0	0.0

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Chemical)

E. CHARACTERIZATION & CHEMICAL COMPOSITION

4. Chemical Composition:

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Perfluorohexanoic Acid (PFHxA)	ug/L	○	◉		0.21	0.22	☐	☐
Perfluorobutanesulfonic acid (PFBS)	ug/L	○	◉	0.12	0.12	0.12	☐	☐
Perfluoroheptanoic acid (PFHpA)	ug/L	○	◉		0.046	0.048	☐	☐
Perfluoropentane-1-sulfonic acid (PFPeS)	ug/L	○	◉		0.15	0.16	☐	☐
4:2 Fluorotelomer sulphonic acid	ug/L	○	◉		0.0069	<0.0093	☐	☐
8:2 Fluorotelomer Sulfonic Acid (8:2 FTS...	ug/L	○	◉		0.0085	<0.0096	☐	☐
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	○	◉		0.042	0.049	☐	☐
Perfluorodecanoic acid (PFDA)	ug/L	○	◉		0.00071	<0.0023	☐	☐
Perfluorooctanesulfonamide (FOSA)	ug/L	○	◉	0.024	0.024	0.024	☐	☐