Memorandum

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Date: *May 5, 2026*

Subject: *McLouth Steel Corporation Superfund Site Operable Unit 1 Soils Technical Memorandum – Year 2*

CDM Federal Programs Corporation (CDM Smith) prepared this technical memorandum to describe the sampling results of the remedial investigation (RI) performed at the McLouth Steel Corp. Superfund Site (site). This project is part of the U.S. Environmental Protection Agency (EPA) Design and Engineering Services Contract No. 68HE0318D0003, Task Order No. 68HE0523F0033, and this sampling event was part of the RI work plan. This technical memorandum presents data collected during both Year 1 and Year 2 field events. Year 1 field events occurred from August to September 2023 and were previously summarized in the *Operable Unit 1 Soils Technical Memorandum – Year 1* (CDM Smith 2024). Year 2 field events took place from May to June 2025. These field events were performed to characterize the nature, extent, and concentrations of chemical contaminants in the soil and provide recommendations for additional site characterization, where appropriate. Year 2 field events were performed in accordance with the sampling plan laid out in the Year 2 Scope of Work (CDM Smith 2024).

Site Background

The following site background is summarized from EPA's statement of work (SOW), as amended on November 18, 2022 (EPA 2022):

The site is in Trenton, Michigan, in an area that includes industrial, commercial, and residential properties (**Figure 1**). The site occupies the southwestern 197 acres of the former steel mill property (**Figure 2**), which originally consisted of approximately 273 acres. The remaining approximately 76 acres is a separate cleanup site (Riverview-Trenton Railroad Co. [RTRR] site) that is being addressed under the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Resource Conservation and Recovery Act (RCRA) program. The site is organized into three operable units (OUs): OU1 is the property source areas, OU2 is sitewide groundwater, and OU3 is the Detroit River surface water and sediments.

The former McLouth Steel facility operated from about 1950 until 1995, when McLouth filed for bankruptcy. In 1996, the McLouth bankruptcy estate sold the entire McLouth facility to Hamlin Holdings, Inc., which became DSC, Ltd. On December 17, 1999, Michigan Department of Environmental Quality (MDEQ)[1] and DSC, Ltd. executed a Comprehensive Action and Remedial Consent Order that addressed contamination from numerous waste management units and areas of concern within the property. In

[1] In 2019, EGLE assumed all functions related to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) for the State of Michigan, and MDEQ effectively ceased to exist.

2000, DSC, Ltd. sold the 76-acre northern portion of the facility (RTRR site) to Manuel J. Maroun, who transferred the title through Crown Enterprises, Inc. to Riverview-Trenton Railroad Co.

On June 14, 2007, there was a fire on the site in an open pond used to collect waste oil. After the fire was extinguished, hundreds of containers and waste drums were found. On October 16, 2007, EPA and MDEQ discovered over 3,700 polychlorinated biphenyl (PCB)-containing transformers and capacitors in one of the steel production buildings on site. Between May 12 and October 2, 2009, EPA conducted a fund-led removal action at the site that included the removal and disposal of 3,744 PCB capacitors, 39,783 gallons of PCB oil, and 1,877 containers of hazardous substances.

On March 18, 2011, MDEQ referred the southern section of the former McLouth facility to the EPA Region 5 Superfund Program. On May 11, 2011, EPA Region 5 transferred responsibility for the southern portion of the former McLouth facility from RCRA to the CERCLA program. In 2015, an investigation for contaminants of potential concern was conducted for both the site and the RTRR site. Inorganics, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), PCBs, dioxins/furans (D/F), and per- and polyfluoroalkyl substances (PFAS) were identified on the site, as well as areas with low pH groundwater (0.9 to 5.88) around the acid pickling building and sedimentation basin. Other areas on the site were identified with elevated pH (9.5 to 13.4). In recent years there have been efforts to address a very high pH surface release on the northern property.

In 2017, Wayne County acquired 183 acres of the 197-acre southern portion through tax foreclosure. Wayne County then entered into a Purchase and Development Agreement with Crown Enterprises, Inc. One of the purposes of this settlement is to provide the non-liable parties—Crown Enterprises, Inc. and its affiliate, MSC Land Company, LLC (MSC)—with covenants not to sue, allowing MSC to obtain the property title with clear definition of its obligations under CERCLA, RCRA, and the Toxic Substances Control Act. On August 6, 2018, Crown Enterprises, Inc. and its affiliate, MSC, entered into a settlement agreement with EPA, MDEQ, and the United States Department of Justice where MSC agreed to complete the following on site and the RTRR site: demolish 45 structures, remove asbestos-containing material, containerize wastes and materials containing PCBs from all structures before demolition, install a fence around the property, remove contaminated water and sludges from 23 subsurface structures, investigate five areas where PCBs may have been released, and assess and report on stormwater management options. This initial cleanup phase at the southern portion of the former site was completed under EPA oversight in November 2021.

In 2023, CDM Smith performed Year 1 activities for the RI. CDM Smith completed 34 soil borings from which 134 soil samples were collected. CDM Smith submitted samples for analysis of the contaminants of concern on site, VOCs, SVOCs, pesticides, PCB Aroclors, inorganics (metals and cyanide), PFAS, and D/F. The Year 1 technical memorandum presented the data CDM Smith collected (CDM Smith 2024). The findings and recommendations from CDM Smith's Year 1 technical memorandum were used to develop the Year 2 Scope of Work.

Physical Setting

Site Soils

According to the Quaternary Geology of Southern Michigan map (Farrand and Bell 1982), the site is situated on gray to dark reddish brown lacustrine clay and silt that formed in extensive, flat, low-lying areas formerly inundated by glacial Great Lakes, and in separate small lake basins, including small areas

of lacustrine sand and clay-rich till. The dominant surficial soil composition near the site is cut and fill land. It has a variable soil surface texture and does not meet the requirements of a hydric soil.

The near-surface geology in the site area consists of glacial Great Lakes lacustrine clay and silt deposits overlain by fill material/deposits, especially in the floodplain areas along the river. The clay and silt deposits vary in thickness from approximately 10 to 40 feet thick and appear to be laterally extensive across the site. Small, occasional lenses of lacustrine sand may be present throughout the deposits. Most of the soil borings did not note a sand or gravel layer within or below the clay overlying the bedrock.

Evaluation of topographic maps from 1942, before construction of the McLouth Steel facility, show ground surface elevations at approximately 575 feet (assumed North American Vertical Datum of 1988), with extensive wetlands (less than [<] 575 feet of elevation) along the shore of the Detroit River which was somewhat west of its current location at the time. The topographic map for 1952 shows the ground surface elevations of much of the site above 585 feet, indicating 10+feet of fill at that time. Additional filling occurred later, between 1957 and 1964. Current elevations are around 590 feet. The changes to elevations document that fill is the predominant material encountered in most borings above the bedrock.

An evaluation of sample descriptions from boring longs was conducted to develop a consensus on the best way to represent the material. Samples with anthropogenic (manmade) material are considered urban fill. Reworked natural materials are described simply as fill. Based on similarity of materials, it was not possible to reliably differentiate between in-place and reworked natural materials. Although it is likely that in some locations in-place native material was present below fill, a distinct unit that differed significantly or hydrologically from the various fill materials was not recognized.

Cross sections were developed in Leapfrog Works 3-D visualization software based on the sample descriptions and the classification system described above. The lithology is represented by four materials:

- Urban Fill: The urban fill is composed of sand, gravel, and silt with intermixed scrap metal, brick, concrete, wood, and slag. Contains recognizable manmade material either sourced from the site or unknown off-site sources.
- Fill: The reworked overburden is poorly graded, fine to very fine native sand material that has likely been regraded and moved from its original position. No anthropogenic material was noted.
- Native Clay: The native clay unit is a highly plastic, cohesive clay (fat clay) that sits directly on top of the bedrock and below fill and reworked overburden. The clay was generally encountered from 20 to 40 feet below ground surface and has a thickness of 2 to 23 feet.
- Bedrock: The bedrock at the site is a dolomitic limestone.

Overburden Geology

Interpretation of the near-surface geology incorporates data from 65 soil borings advanced during the Year 1 and Year 2 field programs (Year 1 borings included RI-SB-01 through RI-SB-42, and Year 2 borings included RI-SB-42 through RI-SB-74). Fill ranges in thickness from 5 to 30 feet, and fat clay on site ranges

in thickness from 0 to 23 feet, with several areas around Borings RI-SB-29 and RI-SB-68 where fat clay is limited or absent. Cross sections of the lithology can be found in **Figure 3**.

In Year 2, CDM Smith's geotechnical laboratory analyzed 20 samples for grain size by ASTM International (ASTM) D6913, D1140 and D7928, specific gravity by ATSM D854, soil porosity by ATSM D7263, laboratory shear vane by D4648, Triaxial Consolidated-Undrained by ASTM 4767, flexible membrane test by D5084, organic content by D2974. Three Shelby tubes were taken across the site. They were analyzed with respect to grain sizes, porosity, and permeability and strength tests. Sample permeability ranged from 1.05x10^-7 to 7.09x10^-8. The geotechnical data are included in **Attachment C**.

All soil borings in Year 1 and a number of Year 2 borings were drilled to the top of the bedrock surface. In most locations, a layer of fat clay was observed above the bedrock surface. In a couple of areas on the eastern and southern portion of the site (vicinity of Borings RI-SB-29 and RI-SB-68), fat clay was not observed and may not have been deposited or had been eroded away by the Detroit River. A silty clay was typically observed directly above bedrock in these locations. Fat clay is expected to function as an aquitard between the overburden groundwater and the bedrock across most of the McLouth site.

CDM Smith collected inorganic, SVOC, and VOC samples at 15 locations within this fat clay. Inorganic exceedances were still present but at a reduced frequency relative to surface soil samples. In the clay unit, inorganic project action limit (PAL) exceedances occurred in 30 percent (%) of samples, versus 49% sitewide. SVOCs exceedances were also lower, with only 1% of clay samples exceeding SVOCs PALs compared to 5% sitewide. VOC detections within this fat clay layer, while present, were very minimal (<1%), which is consistent with the rest of the site.

Bedrock Geology

Beneath the fill and glacial deposits, the site is underlain by the Paleozoic Era, Devonian System, and Middle Devonian Series bedrock. The bedrock geology underlying the area's lacustrine deposits is the Dundee Limestone and the Detroit River Group formations. The Dundee formation consists of massive limestone deposits ranging in thickness from 40 to 400 feet. The underlying Detroit River Group formation consists of limestone, dolomite, and sandstone deposits with interbedded anhydrite and salt deposits. This formation can be more than 1,000 feet thick. Year 1 and a limited number of Year 2 borings encountered the bedrock surface, but no borings were advanced into the bedrock.

Operable Unit 1 Soil Investigation Activities

Year 2 field work was completed in accordance with the field work plan laid out in the *OU1 and OU2 Year 2 Scope of Work, McLouth Steel Corp. Superfund Site*, Trenton, Michigan, which was approved on August 13, 2024.

Prior to the drilling, CDM Smith oversaw The Mannik & Smith Group, Inc. complete a surface geophysical survey. The survey included the use of ground penetrating radar (GPR) to locate underground utilities at proposed drilling locations.

CDM Smith retained and oversaw Cascade Drilling for the advancement of 31 soil borings, 19 of which were completed as monitoring wells. Drilling and sampling activities occurred between May 20 and June 10, 2025. **Figure 4** shows soil boring locations.

An additional well was installed on October 3, 2025, to replace Boring RI-MW-16 which was inadvertently removed during a land clearing event. No soil samples were collected.

Samples Collection, Review and Data Validation

Soil sampling was conducted using sampling procedures in CDM Smith's EPA-approved Quality Assurance Project Plan – Year 2, Revision 1 (QAPP) (CDM Smith 2025). Photoionization detector measurements and soil descriptions were recorded on the boring logs provided in **Attachment A**.

A total of 112 soil samples were collected, along with six field duplicates, five equipment blanks, four field blanks, one PFAS free water blank, and one waste characterization sample taken from a composite of the five different site areas. Soil samples were collected from the surface and subsurface, with surface being defined as 0 to 0.5 feet below ground surface, and subsurface samples being defined as anything deeper than 0.5 feet below ground surface.

Soil samples were analyzed by the following laboratories and methods: Eurofins TestAmerica Burlington analyzed target analyte list (TAL) pesticides and PCB Aroclors by Superfund Analytical Method (SFAM)01.1, SVOCs (including 1,4-dioxane) and VOCs by SFAM01.1 selective ion monitoring (SIM), and soil moisture; Bonner Analytical Testing Company analyzed metals under SFAM01.1 ICP-MS and ICP-AES, total mercury and total cyanide (including reactive) was analyzed under SFAM01.1; Eurofins Lancaster analyzed D/F under EPA 1613B; and Chicago Regional Laboratory (CRL) analyzed PFAS under EPA Region 5 Laboratory Method OM022.

The data in this technical memorandum underwent data validation as described on QAPP Worksheets 34 through 36. Because of a data validation delay, D/F and PFAS data were presented as unvalidated in the Year 1 technical memorandum. The updated, validated data for D/F is included in this technical memorandum. A validation discrepancy between the analytical report and the EDDs was identified during the review of data validation reports of the Y1 PFAS results that will require additional input from the third-party validators. The data will be corrected and provided in the OU1 RI Report. The data presented in this technical memorandum is usable to support the data quality objectives, unless qualified during data validation as rejected ("R"). In some instances, CLP laboratories performed medium level volatile organic analyses on select rejected samples. These analytical results are denoted with "ME" in the sample IDs. A data usability assessment will be included in the RI Report. Some of the data may be subject to change but the changes are not expected to have significant impacts on the results presented. **Attachment B** provides analytical data tables.

All excess soil was collected, containerized, and temporarily stored in 55-gallon drums in the southwestern corner of the parking lot. On June 26, 2025, CDM Smith collected and containerized investigation-derived composite soil samples. The samples were analyzed by Bonner Analytical Testing Company for TCLP ICP-AES and mercury (Hg), and Eurofins TestAmerica Burlington for TCLP VOCs, SVOCs, pesticides, and PCBs. Decontamination water, including water and solutions used to clean field equipment, was collected in a frac tank along with groundwater development water. CDM Smith sampled the contents of the frac tank to determine appropriate disposal options.

Solid and aqueous investigation-derived waste (IDW) was removed from the site on August 19, 2025. The frac tank was decontaminated and removed on September 29, 2025.

Operable Unit 1 Soil Investigation Sampling Results

CDM Smith evaluated the OU1 sampling results to identify summary statistics and patterns that illustrate the distribution of contaminants of potential concern across the site. The main analyte groups were VOCs, SVOCs, pesticides, PCB Aroclors, and inorganics (metals and cyanide). PFAS and D/F samples were collected and analyzed on a smaller subset of samples.

Sample results are provided in the **Attachment B** tables and summary statistics in the text. **Figures 5** through **11** illustrate the concentration distribution of the various analytes groups.

The detected analytes were compared to the PALs in QAPP Worksheet 15. **Table 1** summarizes the number of detections and exceedances for each major analyte class.

Table 1 – Soil Sample Detections and PAL Exceedances Summary

Analyte Group	Total PAL Exceedances*	Total Detections*
VOCs	69 (1%)	672 (11%)
SVOCs	374 (5%)	1,934 (25%)
Pesticides	25 (2%)	317 (24%)
PCB Aroclors	34 (6%)	82 (14%)
Metals	1,335 (49%)	2,386 (87%)
D/F	484 (45%)	593 (55%)
PFAS	4 (<1%)	50 (4%)

*Percentages are based on the total analytes examined

PCB Aroclors

Fourteen percent of all PCB analytes in the Year 2 samples were above the laboratory detection limit, while 6% of PCB analytes exceeded the PAL. Year 2 detections were mainly found in the surface soils and the 1- to 2-foot below ground surface interval, with none of the Year 2 detections exceeding 1,000 micrograms per kilogram (or 1 part per million). The same two PCB Aroclors (1254 and 1260) were detected in Year 2 as in Year 1. **Figure 5** presents the distribution and relative concentrations of the detected Aroclors from Year 1 and Year 2 soil sampling. The Year 1 memorandum recommended additional soil characterization for PCBs near Boring RI-SB-16 (near the former drum and soil hopper storage areas) and Boring RI-SB-25 (near the former sludge pit). A total of 135 samples were collected from these areas in Year 2, of which four PCB Aroclors were above the PAL. The other 441 PCB samples collected in Year 2 were designed to characterize the site more broadly.

Table 2a – Year 1 Soil Sample Detections and PAL Exceedances – PCBs

Analyte	Exceeded PAL	No. of Detections	Total # Samples Analyzed
PCB Aroclor 1242	7	7	52
PCB Aroclor 1254	1	4	52
PCB Aroclor 1260	13	27	52
PCB Aroclor 1268	1	1	52

Table 2b – Year 2 Soil Sample Detections and PAL Exceedances – PCBs

Analyte	Exceeded PAL	# of Detections	Total # Samples Analyzed
PCB Aroclor 1248	15	22	64
PCB Aroclor 1254	3	4	64
PCB Aroclor 1260	15	46	64
PCB Aroclor 1262	1	10	64

Volatile Organic Compounds

VOCs were detected in 11% of all Year 2 samples and 1% of all samples exceeded their respective PAL. Trichloroethene (TCE) was detected 45 times with six PAL exceedances, while tetrachloroethene (PCE) was detected five times with three PAL exceedances. Other VOCs, such as benzene, toluene, ethylbenzene, xylenes, and trimethylbenzenes, were detected and exceeded the PALs in several samples. **Figure 6** presents the locations and relative concentrations of PCE, TCE, 2-hexanone, and ethylbenzene. These VOCs were selected for the figure to provide representative examples of the distribution of VOCs at the site. The Year 1 memorandum recommended additional soil characterization of VOCs near Boring RI-SB-23 (near a former empty drum storage area). A total of 18 samples were collected from this area in Year 2, which included two VOCs above the PAL. The other 113 VOC samples collected in Year 2 were designed to characterize the site more broadly.

Table 3a – Year 1 Soil Sample Detections and Exceedances – VOCs*Analyte	Exceeded	Detected	Total Samples
1,2,3-Trichlorobenzene	1	2	120
1,2,4-Trimethylbenzene	7	35	120
1,3,5-Trimethylbenzene	4	24	120
2-Hexanone	2	3	120
Benzene	1	8	120
Ethylbenzene	1	22	120
m,p-Xylene	4	35	120
o-Xylene	3	29	120
PCE	6	10	120
TCE	1	36	120

*Year 1 total sample counts were updated to reflect updated data.

Table 3b – Year 2 Soil Sample Detections and Exceedances – VOCs

Analyte	Exceeded	Detected	Total Samples
1,1,1-Trichloroethane	2	6	113
1,1-Dichloroethane	5	12	113

Analyte	Exceeded	Detected	Total Samples
1,2,3-Trichloropropane	2	2	113
1,2,4-Trimethylbenzene	7	24	113
1,3,5-Trimethylbenzene	5	23	113
2-Hexanone	13	27	113
Bromomethane	9	11	113
Chloroform	3	75	113
Chloromethane	1	11	113
Ethylbenzene	3	30	113
m,p-Xylene	6	36	113
Methylene Chloride	1	14	113
o-Xylene	3	24	113
PCE	3	5	113
TCE	6	45	113

Semivolatile Organic Compounds

Twenty-five percent of all Year 2 samples had SVOCs detections but only 5% of the detections exceeded their respective PALs. 1-Methylnaphthalene was the most frequently detected SVOC above its PAL, followed by naphthalene and benzo(a)pyrene. This is different from the Year 1 results, in which naphthalene was the SVOC most frequently detected above its PAL, followed by benzo(a)pyrene and benzo(a)anthracene. **Figure 7** presents the distribution and relative concentrations of naphthalene, benzo(a)pyrene, benzo(a)anthracene, 1,4-dioxane, and 1-methylnapthalene in Year 2.

The Year 2 soil boring locations and sample depths were selected in part to further characterize areas with elevated SVOC concentrations in Year 1. As expected, a higher percentage of Year 2 SVOC results exceed the PAL than Year 1. Notably, four distinct areas were identified with elevated SVOC concentrations, including the northeast portion of the site, an area around Boring RI-SB-03, an area around Boring RI-SB-57, and an area spanning Borings RI-SB-16 to RI-SB-25.

Table 4a – Year 1 Soil Sample Detections and Exceedances – SVOCs

Analyte	Exceeded	Detected	Total Samples
1,4-Dioxane (p-Dioxane)	4	4	110
1-Methylnaphthalene	81	81	95
2-Methylnaphthalene	4	89	95
Benzo(a) anthracene	19	91	95
Benzo(a) pyrene	28	89	95
Benzo(b) fluoranthene	5	93	95
Biphenyl (Diphenyl)	7	7	95
Dibenz(a,h) anthracene	5	71	95
Dibenzofuran	1	12	95

Analyte	Exceeded	Detected	Total Samples
Indeno(1,2,3-c,d) pyrene	2	90	95
Naphthalene	54	91	95
Phenanthrene	2	95	95

*Year 1 exceedances, detections, and total sample counts were updated to reflect updated data.

Table 4b – Year 2 Soil Sample Detections and Exceedances – SVOCs

Analyte	Exceeded	Detected	Total Samples
1,1'-Biphenyl	9	9	114
1,4-Dioxane	6	10	114
1-Methylnaphthalene	101	101	114
2-Methylnaphthalene	10	109	114
Benzo(a)Anthracene	40	106	114
Benzo(a)Pyrene	68	110	114
Benzo(b)Fluoranthene	12	112	114
Carbazole	4	11	114
Dibenzo(a,h)Anthracene	28	99	114
Dibenzofuran	7	20	114
Fluoranthene	5	105	114
Fluorene	2	83	114
Hexachlorobenzene	1	1	114
Indeno(1,2,3-cd)Pyrene	5	108	114
Naphthalene	68	96	114
Phenanthrene	8	110	114

Pesticides

Pesticides were analyzed in a subset of the total number of Year 2 samples. Pesticides were detected in 24% of all samples and 2% of samples exceeded the PALs. 4,4'-DDT was the most frequently detected pesticide though it did not exceed the PAL in any samples. Dieldrin was the next most frequently detected pesticide and exceeded the PAL in 28% of samples. **Figure 8** presents the distribution and relative concentrations of 4,4'-DDE, alpha-BHC, delta-BHC, dieldrin, and endrin aldehyde. Exceedances fell from 12% in Year 1 to 2% in Year 2. This difference may be attributed to the larger set of analytes evaluated in the Year 2 technical memorandum versus the Year 1 technical memorandum. While detections were spread throughout the site, the area extending from Borings RI-SB-16 to RI-SB-25 is noted as having higher concentrations of pesticides when compared to other areas.

Table 5a – Year 1 Soil Sample Detections and Exceedances – Pesticides

Analyte	Exceeded	Detected	Total Samples
Aldrin	1	14	52
Dieldrin	6	12	52

Table 5b – Year 2 Soil Sample Detections and Exceedances – Pesticides

Analyte	Exceeded	Detected	Total Samples
4,4'-DDE	1	32	64
Alpha-BHC	2	13	64
Delta-BHC	1	1	64
Dieldrin	18	42	64
Endrin Aldehyde	3	18	64

Dioxins/Furans

D/F were detected in 55% of all Year 2 soil samples and 45% of samples exceeded the PALs. Of the D/F analyzed, 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin and octachlorodibenzo-p-dioxin were the most consistently detected D/Fs, detected in 97% of samples with D/F detections. **Figure 9** summarizes several D/F detections and PAL exceedances across the site. No major differences were noted from Year 1 to Year 2 with respect to detections and exceedances. Year 1 D/F data are the updated, validated data.

Table 6a – Year 1 Soil Sample Detections and Exceedances – Dioxins/Furans

Analyte	Exceeded	Detected	Total Samples
2,3,7,8-Tetrachlorodibenzo-p-Dioxin	3	39	73
Total Dioxin TEQ	50	73	73

Table 6b – Year 2 Soil Sample Detections and Exceedances – Dioxins/Furans

Analyte	Exceeded	Detected	Total Samples
2,3,7,8-Tetrachlorodibenzo-P-Dioxin	3	33	63
1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	10	17	63
1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	10	15	63
1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	35	40	63
1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	32	37	63
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	60	61	63
Octachlorodibenzo-P-Dioxin	61	61	63
2,3,7,8-Tetrachlorodibenzofuran	21	44	63
1,2,3,7,8-Pentachlorodibenzofuran	4	10	63
2,3,4,7,8-Pentachlorodibenzofuran	34	40	63
1,2,3,4,7,8-Hexachlorodibenzofuran	33	37	63

Analyte	Exceeded	Detected	Total Samples
1,2,3,6,7,8-Hexachlorodibenzofuran	24	29	63
1,2,3,7,8,9-Hexachlorodibenzofuran	12	13	63
2,3,4,6,7,8-Hexachlorodibenzofuran	30	32	63
1,2,3,4,6,7,8-Heptachlorodibenzofuran	48	52	63
1,2,3,4,7,8,9-Heptachlorodibenzofuran	20	25	63
Octachlorodibenzofuran	47	47	63

Inorganics (Metals and Cyanide)

Metals were detected in 87% of all Year 2 samples and 49% of samples had exceedances of one or more PAL. Based on the number of PAL exceedances associated with steel making and the potential for human health or ecological risk, distribution and relative concentrations was generated for the following metals: arsenic, cadmium, chromium, cobalt, cyanide, lead, manganese, and mercury (**Figures 10**). Of all inorganics tested in Years 1 and 2, only thallium differed significantly. For Year 1, 20% of samples exceeded the PAL and 52% of samples had detections of thallium. For Year 2, only 3% of samples exceeded the PAL and 3% of samples had detections of thallium. While inorganics had high concentrations throughout the site, there are four areas of interest with especially elevated levels of inorganics. These areas are centered on the northeast section of the site, the area around Boring RI-SB-3 and related borings, Soil Boring RI-SB-57, and the south-central portion of the site extending from Boring RI-SB-16 to Boring RI-SB-25. No other major differences were noted from Year 1 to Year 2 with respect to detections and exceedances.

Table 7a – Year 1 Soil Sample Detections and Exceedances – Inorganics (Metals and Cyanide)*

Analyte	Exceeded	Detected	Total Samples
Aluminum	74	110	110
Antimony	44	48	110
Arsenic	107	110	110
Barium	13	110	110
Cadmium	57	101	110
Chromium	110	110	110
Cobalt	107	109	110
Copper	53	108	108
Cyanide	44	44	110
Iron	104	104	104
Lead	12	109	109
Magnesium	85	110	110
Manganese	110	110	110
Mercury	61	74	110
Nickel	55	108	108
Selenium	72	72	110
Silver	73	81	110
Thallium	22	57	110
Vanadium	54	110	110
Zinc	55	106	106

***Total sample counts differ because of rejected values being excluded from the total sample count list.**

Table 7b – Year 2 Soil Sample Detections and Exceedances – Inorganics (Metals and Cyanide)

Analyte	Exceeded	Detected	Total Samples
Aluminum	91	114	114
Antimony	45	45	114
Arsenic	114	114	114
Barium	19	114	114
Cadmium	47	88	114
Chromium	114	114	114
Cobalt	107	114	114
Copper	56	114	114
Cyanide	62	62	114
Iron	114	114	114
Lead	17	114	114
Magnesium	86	114	114
Manganese	114	114	114

Analyte	Exceeded	Detected	Total Samples
Mercury	54	101	114
Nickel	51	114	114
Selenium	69	69	114
Silver	69	83	114
Thallium	3	3	114
Vanadium	44	114	114
Zinc	59	114	114

Metals are naturally occurring in the environment. While a site-specific background investigation has not been conducted, data on background concentrations in Michigan are available from EGLE's *Soil Background and Use of the 2005 Michigan Background Soil Survey* (revised January 2023) (**Attachment D**). The lesser of the following concentrations will be used to evaluate background concentrations: (A) two standard deviations of the mean for the appropriate soil type and glacial lobe, or (B) the upper limit value in the typical range. Surface soil will be compared to topsoil values in EGLE's soil survey, as appropriate.

Aluminum exceeded the PAL of 6,900 mg/kg (milligrams per kilograms) in several locations with an average of 14,322 mg/kg in soils 0 to 0.5 foot and an average of 12,914 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of 4,554 mg/kg.

Arsenic exceeded the PAL of 0.68 mg/kg in every location with an average of 10 mg/kg in soils 0 to 0.5 foot and an average of 5.6 mg/kg in soils 1 to 2 feet. The 0 to 0.5 foot results exceed the typical soil background for the area (5.7 mg/kg), and the 1 to 2 feet results are just below the typical soil background value.

Barium exceeded the PAL of 288 mg/kg in several locations but had an average of 315 mg/kg in soils 0 to 0.5 foot and an average of 643 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area (40 mg/kg).

Cadmium exceeded the PAL of 0.71 mg/kg in several locations with an average of 2.5 mg/kg in soils 0 to 0.5 foot and an average of 2 mg/kg in soils 1 to 2 feet. The soil results for 1 to 2 feet align with the magnitude of the typical soil background for the area of <2.0 mg/kg, and the soil results for 0 to 0.5 foot just exceed the typical background value.

Total chromium far exceeded the PAL of 0.95 mg/kg in all locations with an average of 8,352 mg/kg in soils 0 to 0.5 foot and an average of 956 mg/kg in soils 1 to 2 feet. Chromium can be present as trivalent (common) and hexavalent (less common). The PAL for chromium is associated with the hexavalent chromium species, Cr^{6+}. The average total chromium numbers were well above background between 0 to 0.5 foot and below the background soil total chromium levels of 2,000 mg/kg between 1 to 2 feet.

Cobalt exceeded the PAL of 0.54 mg/kg in several locations with an average of 8 mg/kg in soils 0 to 0.5 foot and an average of 6 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of <5.0 mg/kg.

Copper exceeded the PAL of 51.8 mg/kg in several locations with an average of 75 mg/kg in soils 0- to 0.5-feet and an average of 150 mg/kg in soils 1- to 2-feet. These results exceed the typical soil background for the area of 9.9 mg/kg.

Iron exceeded the PAL of 6 mg/kg in every location with an average of 122,813 mg/kg in soils 0 to 0.5 foot and an average of 77,176 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of 9,476 mg/kg.

Magnesium exceeded the PAL of 8,000 mg/kg in several locations with an average of 22,543 mg/kg in soils 0 to 0.5 foot and an average of 35,000 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of 3,184 mg/kg.

Manganese exceeded the PAL of 1 mg/kg at every location by several orders of magnitude, with average sample exceedance of 25,750 mg/kg in soils 0 to 0.5 foot and an average of 19,251 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of 524 mg/kg.

Mercury exceeded the PAL of 0.5 mg/kg in several locations with an average of 0.3 mg/kg in both soils 0 to 0.5 foot and 1 to 2 feet. These results align with the magnitude of the typical soil background for the area of <0.10 mg/kg.

Nickel exceeded the PAL of 52 mg/kg in several locations with an average of 496 mg/kg in soils 0 to 0.5 foot and an average of 147 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of 9.3 mg/kg.

Selenium exceeded the PAL of 0.4 mg/kg in several locations with an average of 4 mg/kg in soils 0 to 0.5 foot and an average of 2 mg/kg in soils 1 to 2 feet. These results exceed the soil background concentrations of <0.3 mg/kg.

Silver exceeded the PAL of 0.2 mg/kg in several locations with an average of 0.28 mg/kg in soils 0 to 0.5 foot and averaged 0.21 mg/kg in soils 1 to 2 feet. These results align with the magnitude of the typical soil background for the area <0.25 mg/kg.

Thallium exceeded the PAL of 0.078 in several locations with an average of 3 mg/kg in soils 0 to 0.5 foot There were no PAL exceedances in soils 1 to 2 feet. Thallium exceeded the background in samples between 0 to 0.5 foot and were below the background of <1.0 mg/kg between 1 to 2 feet.

Vanadium exceeded the PAL of 39 mg/kg in several locations with an average 178 mg/kg in soils 0 to 0.5 feet and averaged 199 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of 125 mg/kg.

Zinc exceeded the PAL of 0.119 mg/kg in several locations with an average of 647 mg/kg in soils 0 to 0.5 foot and an average of 257 mg/kg in soils 1 to 2 feet. These results exceed the typical soil background for the area of 39.8 mg/kg.

Per- and Polyfluoroalkyl Substances

Of the PFAS data with soil PALs, there were <1% exceedances and 4% detections in Year 2 samples. Perfluorodecanoic acid (PFDA) had 12.5% of samples exceeded and detected. **Figure 11** displays distribution and exceedances of PFDA, perfluorooctanoate (PFOA), and perfluorooctyl sulfonate (PFOS).

Detections and exceedances differed from Year 1 to Year 2. This is most likely from updates to the PALs that took place between Year 1 and Year 2.

Table 8a – Year 1 Soil Sample Detections and Exceedances – PFAS

Analyte	Exceeded	Detected	Total Samples
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0	0	73
Perfluorobutanesulfonic Acid (PFBS)	0	0	73
Perfluorodecanoic Acid (PFDA)	0	25	73
Perfluorohexanoic Acid (PFHxA)	0	1	73
Perfluorononanoic Acid (PFNA)	0	8	73

Table 8b – Year 2 Soil Sample Detections and Exceedances – PFAS

Analyte	Exceeded	Detected	Total Samples
Perfluorodecanoic Acid (PFDA)	4	4	32

Findings and Recommendations

The Year 1 and Year 2 data show widespread distribution of some SVOCs, D/F, and inorganics, and four specific areas with higher concentrations that warrant further evaluation.

A general area with scattered locations of elevated concentrations is present across the northeast portion of the site, including Borings RI-SB-47, RI-SB-48, RI-SB-49, and RI-SB-51. This area had elevated concentrations of SVOCs, inorganics, and PCBs with respect to the PALs and the rest of the site. Across both surface (0 to 0.5 feet below ground surface) and subsurface depths (greater than 0.5 feet below ground surface), multiple SVOC (i.e., 1-methlynaphthalene, benzo(a)anthracene, benzo(a)pyrene, and naphthalene) and numerous inorganic analytes exceeded their PALs at various orders of magnitude. In the surface soil samples, multiple PCB Aroclors exceeded their PALs at various orders of magnitude.

Another more limited area of elevated concentrations occurs on the southwest portion of the site, focused around the initial soil boring, RI-SB-03, and the four subsequent surrounding borings, RI-SB-56, RI-SB-63, RI-SB-64, and RI-SB-65. This area had higher concentrations of SVOCs and inorganics with respect to the PALs than the rest of the site. Across both surface and subsurface depths, multiple SVOCs (i.e., 1-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, and naphthalene) and inorganics exceeded their PALs at various orders of magnitude.

Relatively elevated concentrations occur at Boring RI-SB-57, which is located near the footprint of a former underground storage tank. This boring had exceedances of VOCs, SVOCS, and inorganics. Specifically, various VOCs are found at the surface depth (i.e., 1,1,1-trichloroethane, 1,1-dichloroethane, chloroform, and tetrachloroethene) and at the subsurface depths (i.e., 1,1-dichloroethane, 1,2,4-trimethylbenzene, ethylbenzene, and trichloroethene) with exceedances of their PALs at various orders of magnitude. Various SVOCs are found both at the surface and subsurface depths (i.e., 1,4-dioxane, 1-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, and naphthalene) with exceedances of their PALs at various orders of magnitude. Numerous inorganics exceeded their PALs at both surface and

subsurface depths at a multitude of orders of magnitude. The soil contamination appears to have been delineated and localized in this area.

An area in the south-central portion of the site, extending from Boring RI-SB-16 to Boring RI-SB-25, exhibited elevated concentrations of VOCs, SVOCs, PCBs, pesticides, and inorganics. Year 2 soil borings were completed to refine the delineation of soil conditions near the Year 1 borings, RI-SB-16, RI-SB-25, and RI-SB-32, all of which exhibited high contamination. Integrating the Year 1 and Year 2 results indicates that the area near Boring RI-SB-16—where the Year 1 soil results were rejected because of internal standard or surrogate recoveries outside of laboratory quality control criteria and are not usable—is contaminated with various VOCs, SVOCs, PCBs, and inorganics. Several Year 2 soil borings, RI-SB-58, RI-SB-67, RI-SB-68, RI-SB-69, RI-SB-70, RI-SB-71, and RI-SB-72, provided supporting data indicating the area between Boring RI-SB-16 and Boring RI-SB-25 is the estimated extent of this elevated contamination.

The combination of Year 1 and Year 2 soil data provides a relatively comprehensive characterization of the soil conditions at former McLouth Steel facility site. The constituents detected are widespread and for the most part not exceeding the PALs by orders of magnitude. The four areas described above have locally elevated concentrations of constituents of concern. The significance of these areas will be further evaluated in conjunction with the Year 2 groundwater quality data and as part of the human health and ecological risk assessment.

All soil borings in Year 1 and a number of Year 2 borings were drilled to the top of the bedrock surface. In most locations a layer of fat clay was observed above the bedrock surface. In a couple of areas on the eastern and southern portion of the site (vicinity of Borings RI-SB-29 and RI-SB-68), fat clay was not observed and may not have been deposited or had been eroded away by the Detroit River. A silty clay was typically observed directly above bedrock in these locations. Fat clay is expected to function as an aquitard between the overburden groundwater and the bedrock across most of the McLouth site. An evaluation of the overburden groundwater and the potential windows in the fat clay aquitard will be performed in the Year 2 OU2 Technical Memorandum to identify the potential for bedrock groundwater impacts and the need for installation of bedrock monitoring wells.

Tables:

Table 1 – Soil Sample Detections and Exceedances Summary
Table 2a – Year 1 Soil Sample Detections and Exceedances – Polychlorinated Biphenyls
Table 2b – Year 2 Soil Sample Detections and Exceedances – Polychlorinated Biphenyls
Table 3a – Year 1 Soil Sample Detections and Exceedances – Volatile Organic Compounds
Table 3b – Year 2 Soil Sample Detections and Exceedances – Volatile Organic Compounds
Table 4a – Year 1 Soil Sample Detections and Exceedances – Semivolatile Organic Compounds
Table 4b – Year 2 Soil Sample Detections and Exceedances – Semivolatile Organic Compounds
Table 5a – Year 1 Soil Sample Detections and Exceedances – Pesticides
Table 5b – Year 2 Soil Sample Detections and Exceedances – Pesticides
Table 6a – Year 1 Soil Sample Detections and Exceedances – Dioxins/Furans
Table 6b – Year 2 Soil Sample Detections and Exceedances – Dioxins/Furans
Table 7a – Year 1 Soil Sample Detections and Exceedances – Inorganics (Metals and Cyanide)
Table 7b – Year 2 Soil Sample Detections and Exceedances – Inorganics (Metals and Cyanide)
Table 8a – Year 1 Soil Sample Detections and Exceedances – Per- and Polyfluoroalkyl Substances
Table 8b – Year 2 Soil Sample Detections and Exceedances – Per- and Polyfluoralkyl Substances

References:

CDM Smith. 2025. Remedial Acquisition Framework: Design and Engineering Services. Final Quality Assurance Project Plan (QAPP) – Year 2, Revision 1, McLouth Steel Corp., Superfund Site, Operable Units 1 and 2, Remedial Investigation/Feasibility Study, Trenton, Michigan. Prepared for EPA Region 5, Superfund and Emergency Management Division.

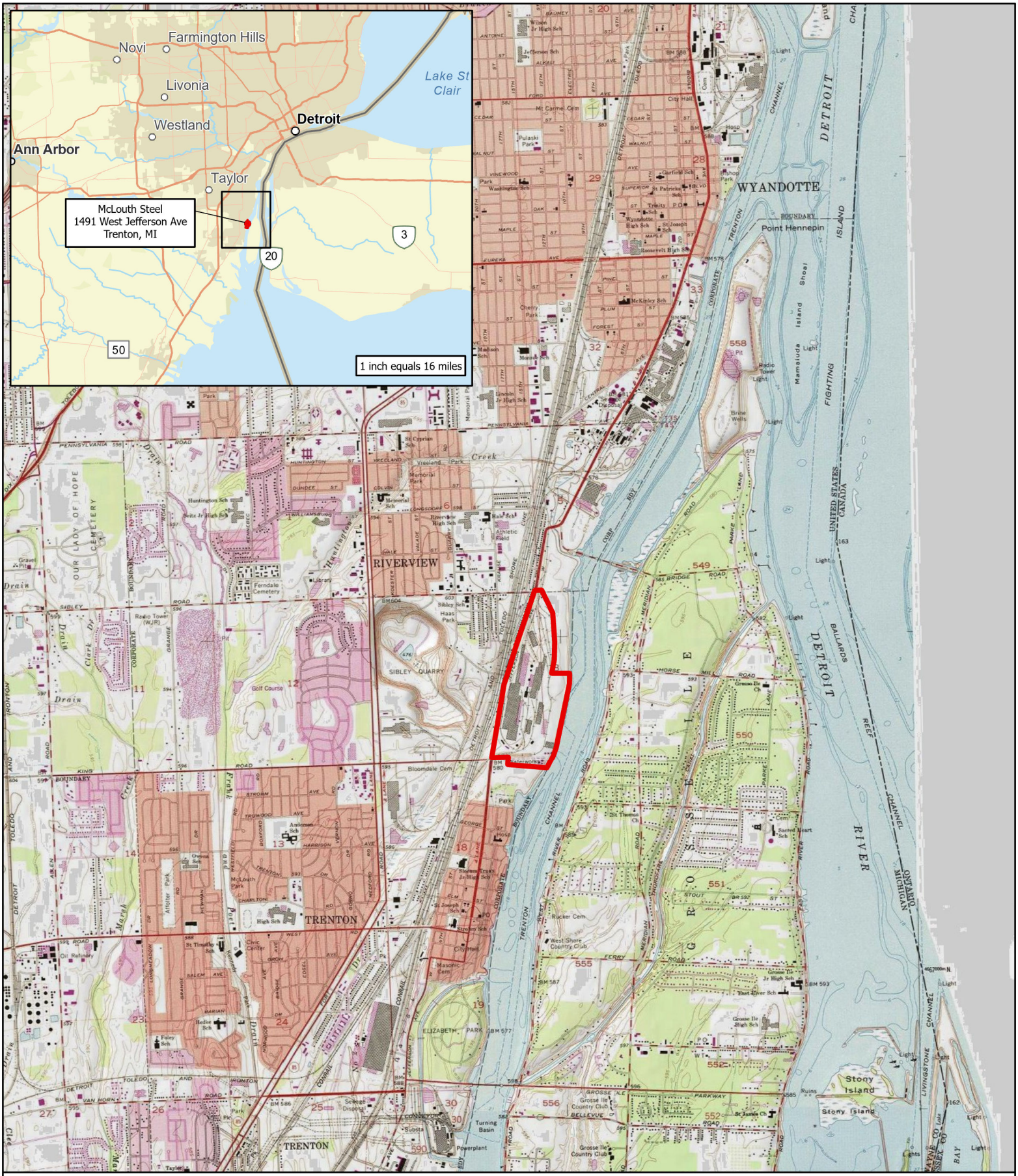
CDM Smith. 2024. Operable Unit 1 Soils Technical Memorandum – Year 1. Prepared for EPA Region 5, Superfund and Emergency Management Division.

EGLE. 2023. *Soil Background and Use of the 2005 Michigan Background Soil Survey.*

EPA. 2022. *Design and Engineering Services (DES) Contract, Remedial Investigation and Feasibility Study, Statement of Work (SOW), Site Name and Location: McLouth Steel Corp Superfund Site, Trenton, Michigan.* Amended November 18.

Farrand, W.R., and D.L. Bell. 1982. Quaternary Geology of Southern Michigan, Department of Geological Sciences, The University of Michigan, Ann Arbor, 1:500,000-scale.

Figures



N

0 2,000 4,000 Feet

NAD 1983 StatePlane Michigan South FIPS 2113 Feet

Legend

Site Boundary

Figure 1
Site Location Map
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

CDM Smith

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Legend

- Current Structure
- Former Structure
- Former Tanks & Silos
- Site Boundary

N

0 400 800 Feet

NAD 1983 StatePlane Michigan South FIPS 2113 Feet

CDM Smith

Figure 2
Site Layout
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

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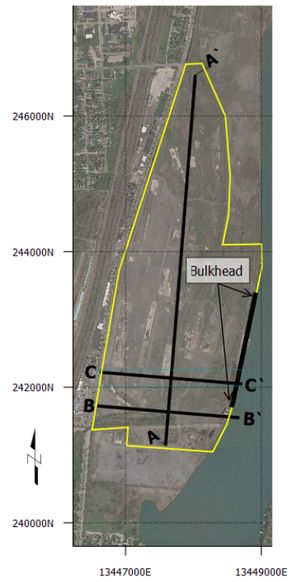
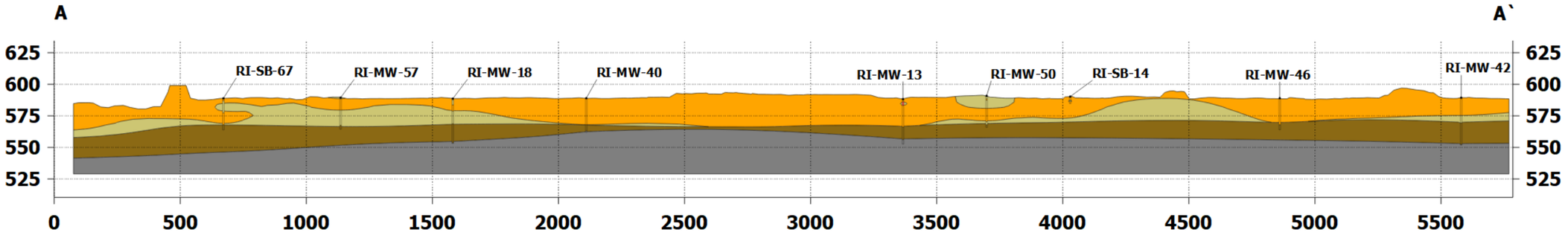
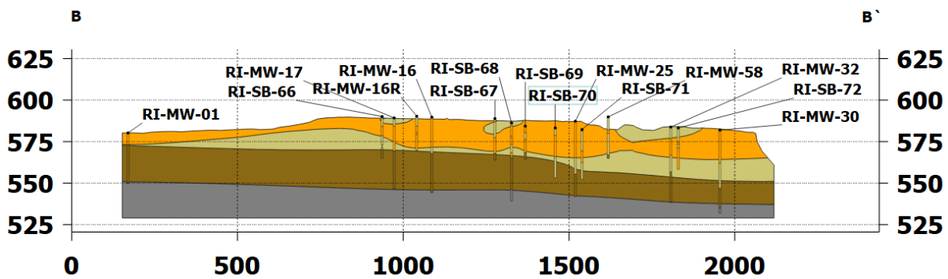


Legend
- Urban Fill
- Fill
- Clay
- Dolomitic Limestone

Scale: 1:2,700
Vertical exaggeration: 5x
0ft 1000ft





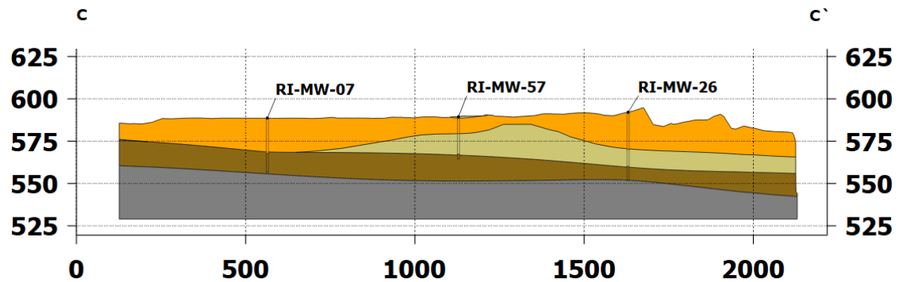


Figure 3
Geologic Cross-Sections
McLouth Steel Corp Superfund Site
Trenton, Wayne County, Michigan

Figure 4
Soil Boring Locations
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

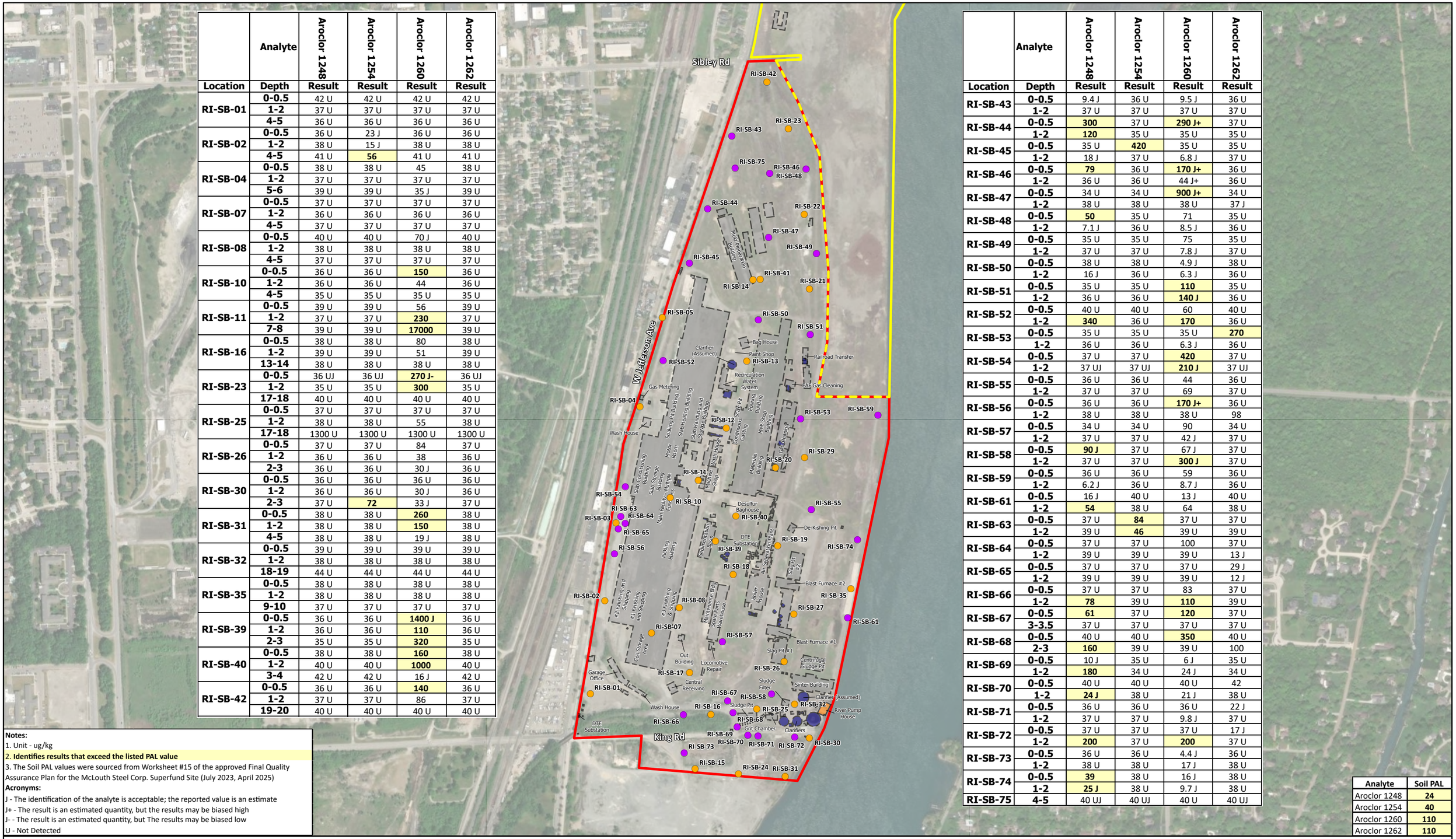
Location	Depth	Analyte: Aroclor 1248 Result	Aroclor 1254 Result	Aroclor 1260 Result	Aroclor 1262 Result
RI-SB-01	0-0.5	42 U	42 U	42 U	42 U
	1-2	37 U	37 U	37 U	37 U
	4-5	36 U	36 U	36 U	36 U
RI-SB-02	0-0.5	36 U	23 J	36 U	36 U
	1-2	38 U	15 J	38 U	38 U
	4-5	41 U	**56**	41 U	41 U
RI-SB-04	0-0.5	38 U	38 U	45	38 U
	1-2	37 U	37 U	37 U	37 U
	5-6	39 U	39 U	35 J	39 U
RI-SB-07	0-0.5	37 U	37 U	37 U	37 U
	1-2	36 U	36 U	36 U	36 U
	4-5	37 U	37 U	37 U	37 U
RI-SB-08	0-0.5	40 U	40 U	70 J	40 U
	1-2	38 U	38 U	38 U	38 U
	4-5	37 U	37 U	37 U	37 U
RI-SB-10	0-0.5	36 U	36 U	**150**	36 U
	1-2	36 U	36 U	44	36 U
	4-5	35 U	35 U	35 U	35 U
RI-SB-11	0-0.5	39 U	39 U	56	39 U
	1-2	37 U	37 U	**230**	37 U
	7-8	39 U	39 U	**17000**	39 U
RI-SB-16	0-0.5	38 U	38 U	80	38 U
	1-2	39 U	39 U	51	39 U
	13-14	38 U	38 U	38 U	38 U
RI-SB-23	0-0.5	36 UJ	36 UJ	**270 J-**	36 UJ
	1-2	35 U	35 U	**300**	35 U
	17-18	40 U	40 U	40 U	40 U
RI-SB-25	0-0.5	37 U	37 U	37 U	37 U
	1-2	38 U	38 U	55	38 U
	17-18	1300 U	1300 U	1300 U	1300 U
RI-SB-26	0-0.5	37 U	37 U	84	37 U
	1-2	36 U	36 U	38	36 U
	2-3	36 U	36 U	30 J	36 U
RI-SB-30	0-0.5	36 U	36 U	36 U	36 U
	1-2	36 U	36 U	30 J	36 U
	2-3	37 U	**72**	33 J	37 U
RI-SB-31	0-0.5	38 U	38 U	**260**	38 U
	1-2	38 U	38 U	**150**	38 U
	4-5	38 U	38 U	19 J	38 U
RI-SB-32	0-0.5	39 U	39 U	39 U	39 U
	1-2	38 U	38 U	38 U	38 U
	18-19	44 U	44 U	44 U	44 U
RI-SB-35	0-0.5	38 U	38 U	38 U	38 U
	1-2	38 U	38 U	38 U	38 U
	9-10	37 U	37 U	37 U	37 U
RI-SB-39	0-0.5	36 U	36 U	**1400 J**	36 U
	1-2	36 U	36 U	**110**	36 U
	2-3	35 U	35 U	**320**	35 U
RI-SB-40	0-0.5	38 U	38 U	**160**	38 U
	1-2	40 U	40 U	**1000**	40 U
	3-4	42 U	42 U	16 J	42 U
RI-SB-42	0-0.5	36 U	36 U	**140**	36 U
	1-2	37 U	37 U	86	37 U
	19-20	40 U	40 U	40 U	40 U

Location	Depth	Analyte: Aroclor 1248 Result	Aroclor 1254 Result	Aroclor 1260 Result	Aroclor 1262 Result
RI-SB-43	0-0.5	9.4 J	36 U	9.5 J	36 U
	1-2	37 U	37 U	37 U	37 U
RI-SB-44	0-0.5	**300**	37 U	**290 J+**	37 U
	1-2	**120**	35 U	35 U	35 U
RI-SB-45	0-0.5	35 U	**420**	35 U	35 U
	1-2	18 J	37 U	6.8 J	37 U
RI-SB-46	0-0.5	**79**	36 U	**170 J+**	36 U
	1-2	36 U	36 U	44 J+	36 U
RI-SB-47	0-0.5	34 U	34 U	**900 J+**	34 U
	1-2	38 U	38 U	38 U	37 J
RI-SB-48	0-0.5	**50**	35 U	71	35 U
	1-2	7.1 J	36 U	8.5 J	36 U
RI-SB-49	0-0.5	35 U	35 U	75	35 U
	1-2	37 U	37 U	7.8 J	37 U
RI-SB-50	0-0.5	38 U	38 U	4.9 J	38 U
	1-2	16 J	36 U	6.3 J	36 U
RI-SB-51	0-0.5	35 U	35 U	**110**	35 U
	1-2	36 U	36 U	**140 J**	36 U
RI-SB-52	0-0.5	40 U	40 U	60	40 U
	1-2	**340**	36 U	**170**	36 U
RI-SB-53	0-0.5	35 U	35 U	35 U	**270**
	1-2	36 U	36 U	6.3 J	36 U
RI-SB-54	0-0.5	37 U	37 U	**420**	37 U
	1-2	37 UJ	37 UJ	**210 J**	37 UJ
RI-SB-55	0-0.5	36 U	36 U	44	36 U
	1-2	37 U	37 U	69	37 U
RI-SB-56	0-0.5	36 U	36 U	**170 J+**	36 U
	1-2	38 U	38 U	38 U	98
RI-SB-57	0-0.5	34 U	34 U	90	34 U
	1-2	37 U	37 U	42 J	37 U
RI-SB-58	0-0.5	**90 J**	37 U	67 J	37 U
	1-2	37 U	37 U	**300 J**	37 U
RI-SB-59	0-0.5	36 U	36 U	59	36 U
	1-2	6.2 J	36 U	8.7 J	36 U
RI-SB-61	0-0.5	16 J	40 U	13 J	40 U
	1-2	**54**	38 U	64	38 U
RI-SB-63	0-0.5	37 U	**84**	37 U	37 U
	1-2	39 U	**46**	39 U	39 U
RI-SB-64	0-0.5	37 U	37 U	100	37 U
	1-2	39 U	39 U	39 U	13 J
RI-SB-65	0-0.5	37 U	37 U	37 U	29 J
	1-2	39 U	39 U	39 U	12 J
RI-SB-66	0-0.5	37 U	37 U	83	37 U
	1-2	**78**	39 U	**110**	39 U
RI-SB-67	0-0.5	**61**	37 U	**120**	37 U
	3-3.5	37 U	37 U	37 U	37 U
RI-SB-68	0-0.5	40 U	40 U	**350**	40 U
	2-3	**160**	39 U	39 U	100
RI-SB-69	0-0.5	10 J	35 U	6 J	35 U
	1-2	**180**	34 U	24 J	34 U
RI-SB-70	0-0.5	40 U	40 U	40 U	42
	1-2	**24 J**	38 U	21 J	38 U
RI-SB-71	0-0.5	36 U	36 U	36 U	22 J
	1-2	37 U	37 U	9.8 J	37 U
RI-SB-72	0-0.5	37 U	37 U	37 U	17 J
	1-2	**200**	37 U	**200**	37 U
RI-SB-73	0-0.5	36 U	36 U	4.4 J	36 U
	1-2	38 U	38 U	17 J	38 U
RI-SB-74	0-0.5	**39**	38 U	16 J	38 U
	1-2	**25 J**	38 U	9.7 J	38 U
RI-SB-75	4-5	40 UJ	40 UJ	40 U	40 UJ

Notes:
1. Unit - ug/kg
2. **Identifies results that exceed the listed PAL value**
3. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023, April 2025)

Acronyms:
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Analyte	Soil PAL
Aroclor 1248	**24**
Aroclor 1254	**40**
Aroclor 1260	**110**
Aroclor 1262	**110**



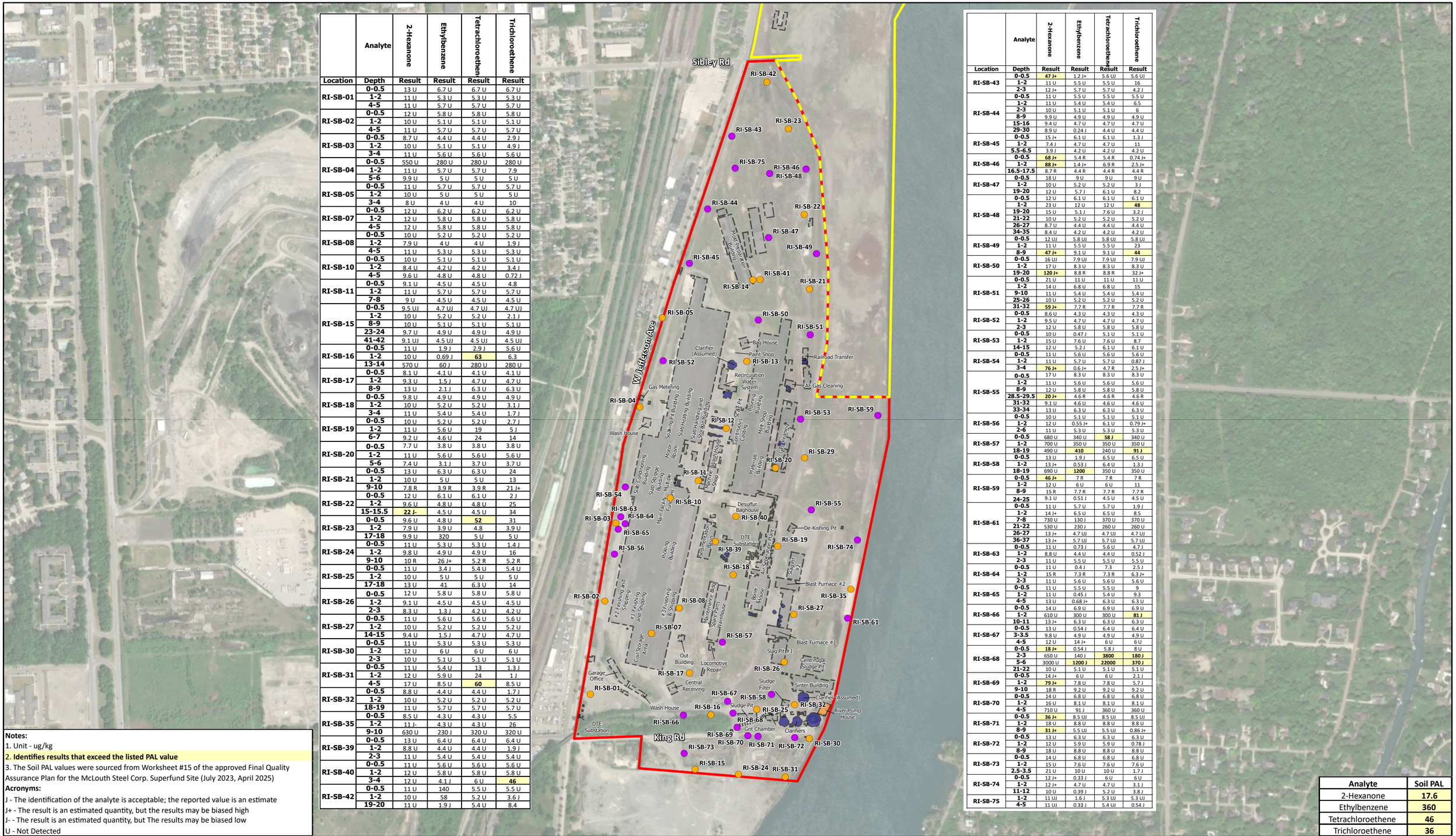
NAD 1983 StatePlane Michigan South FIPS 2113 Feet

- Year 1 Soil Boring
- Year 2 Soil Boring
- Current Structure
- Former Structure
- Former Tanks & Silos
- McLouth Steel Corp. Superfund Site
- RTRR Property Site

Figure 5
Distribution of PCBs
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

Location	Analyte	2-Hexanone	Ethylbenzene	Tetrachloroethene	Trichloroethene
	Depth	Result	Result	Result	Result
RI-SB-01	0-0.5	13 U	6.7 U	6.7 U	6.7 U
	1-2	11 U	5.3 U	5.3 U	5.3 U
	4-5	11 U	5.7 U	5.7 U	5.7 U
RI-SB-02	0-0.5	12 U	5.8 U	5.8 U	5.8 U
	1-2	10 U	5.1 U	5.1 U	5.1 U
	4-5	11 U	5.7 U	5.7 U	5.7 U
RI-SB-03	0-0.5	8.7 U	4.4 U	4.4 U	2.9 J
	1-2	10 U	5.1 U	5.1 U	4.9 J
	3-4	11 U	5.6 U	5.6 U	5.6 U
RI-SB-04	0-0.5	550 U	280 U	280 U	280 U
	1-2	11 U	5.7 U	5.7 U	7.9
	5-6	9.9 U	5 U	5 U	5 U
RI-SB-05	0-0.5	11 U	5.7 U	5.7 U	5.7 U
	1-2	10 U	5 U	5 U	5 U
	3-4	8 U	4 U	4 U	10
RI-SB-07	0-0.5	12 U	6.2 U	6.2 U	6.2 U
	1-2	12 U	5.8 U	5.8 U	5.8 U
	4-5	12 U	5.8 U	5.8 U	5.8 U
RI-SB-08	0-0.5	10 U	5.2 U	5.2 U	5.2 U
	1-2	7.9 U	4 U	4 U	1.9 J
	4-5	11 U	5.3 U	5.3 U	5.3 U
RI-SB-10	0-0.5	10 U	5.1 U	5.1 U	5.1 U
	1-2	8.4 U	4.2 U	4.2 U	3.4 J
	4-5	9.6 U	4.8 U	4.8 U	0.72 J
RI-SB-11	0-0.5	9.1 U	4.5 U	4.5 U	4.8
	1-2	11 U	5.7 U	5.7 U	5.7 U
	7-8	9 U	4.5 U	4.5 U	4.5 U
RI-SB-15	0-0.5	9.5 UJ	4.7 UJ	4.7 UJ	4.7 UJ
	1-2	10 U	5.2 U	5.2 U	2.1 J
	8-9	10 U	5.1 U	5.1 U	5.1 U
	23-24	9.7 U	4.9 U	4.9 U	4.9 U
	41-42	9.1 UJ	4.5 UJ	4.5 UJ	4.5 UJ
RI-SB-16	0-0.5	11 U	1.9 J	2.9 J	5.6 U
	1-2	10 U	0.69 J	**63**	6.3
	13-14	570 U	60 J	280 U	280 U
RI-SB-17	0-0.5	8.1 U	4.1 U	4.1 U	4.1 U
	1-2	9.3 U	1.5 J	4.7 U	4.7 U
	8-9	13 U	2.1 J	6.3 U	6.3 U
RI-SB-18	0-0.5	9.8 U	4.9 U	4.9 U	4.9 U
	1-2	10 U	5.2 U	5.2 U	3.1 J
	3-4	11 U	5.4 U	5.4 U	1.7 J
RI-SB-19	0-0.5	10 U	5.2 U	5.2 U	2.7 J
	1-2	11 U	5.6 U	19	5 J
	6-7	9.2 U	4.6 U	24	14
RI-SB-20	0-0.5	7.7 U	3.8 U	3.8 U	3.8 U
	1-2	11 U	5.6 U	5.6 U	5.6 U
	5-6	7.4 U	3.1 J	3.7 U	3.7 U
RI-SB-21	0-0.5	13 U	6.3 U	6.3 U	24
	1-2	10 U	5 U	5 U	13
	9-10	7.8 R	3.9 R	3.9 R	21 J+
RI-SB-22	0-0.5	12 U	6.1 U	6.1 U	2 J
	1-2	9.6 U	4.8 U	4.8 U	25
	15-15.5	**22 J-**	4.5 U	4.5 U	34
RI-SB-23	0-0.5	9.6 U	4.8 U	**52**	31
	1-2	7.9 U	3.9 U	4.8	3.9 U
	17-18	9.9 U	320	5 U	5 U
RI-SB-24	0-0.5	11 U	5.3 U	5.3 U	1.4 J
	1-2	9.8 U	4.9 U	4.9 U	16
	9-10	10 R	26 J+	5.2 R	5.2 R
RI-SB-25	0-0.5	11 U	3.4 J	5.4 U	5.4 U
	1-2	10 U	5 U	5 U	5 U
	17-18	13 U	41	6.3 U	14
RI-SB-26	0-0.5	12 U	5.8 U	5.8 U	5.8 U
	1-2	9.1 U	4.5 U	4.5 U	4.5 U
	2-3	8.3 U	1.3 J	4.2 U	4.2 U
RI-SB-27	0-0.5	11 U	5.6 U	5.6 U	5.6 U
	1-2	10 U	5.2 U	5.2 U	5.2 U
	14-15	9.4 U	1.5 J	4.7 U	4.7 U
RI-SB-30	0-0.5	11 U	5.3 U	5.3 U	5.3 U
	1-2	12 U	6 U	6 U	6 U
	2-3	10 U	5.1 U	5.1 U	5.1 U
RI-SB-31	0-0.5	11 U	5.4 U	13	1.3 J
	1-2	12 U	5.9 U	24	1 J
	4-5	17 U	8.5 U	**60**	8.5 U
RI-SB-32	0-0.5	8.8 U	4.4 U	4.4 U	1.7 J
	1-2	10 U	5.2 U	5.2 U	5.2 U
	18-19	11 U	5.7 U	5.7 U	5.7 U
RI-SB-35	0-0.5	8.5 U	4.3 U	4.3 U	5.5
	1-2	11 J-	4.3 U	4.3 U	26
	9-10	630 U	230 J	320 U	320 U
RI-SB-39	0-0.5	13 U	6.4 U	6.4 U	6.4 U
	1-2	8.8 U	4.4 U	4.4 U	1.9 J
	2-3	11 U	5.4 U	5.4 U	5.4 U
RI-SB-40	0-0.5	11 U	5.6 U	5.6 U	5.6 U
	1-2	12 U	5.8 U	5.8 U	5.8 U
	3-4	12 U	4.1 J	6 U	**46**
RI-SB-42	0-0.5	11 U	140	5.5 U	5.5 U
	1-2	10 U	58	5.2 U	3.6 J
	19-20	11 U	1.9 J	5.4 U	8.4

Location	Analyte	2-Hexanone	Ethylbenzene	Tetrachloroethene	Trichloroethene
	Depth	Result	Result	Result	Result
RI-SB-43	0-0.5	**47 J+**	1.2 J+	5.6 UJ	5.6 UJ
	1-2	11 U	5.5 U	5.5 U	16
	2-3	12 J+	5.7 U	5.7 U	4.2 J
RI-SB-44	0-0.5	11 U	5.5 U	5.5 U	5.5 U
	1-2	11 U	5.4 U	5.4 U	6.5
	2-3	10 U	5.1 U	5.1 U	6
	8-9	9.9 U	4.9 U	4.9 U	4.9 U
	15-16	9.4 U	4.7 U	4.7 U	4.7 U
	29-30	8.9 U	0.24 J	4.4 U	4.4 U
RI-SB-45	0-0.5	15 J+	6.1 U	6.1 U	1.3 J
	1-2	7.4 J	4.7 U	4.7 U	11
	5.5-6.5	3.9 J	4.2 U	4.2 U	4.2 U
RI-SB-46	0-0.5	**68 J+**	5.4 R	5.4 R	0.74 J+
	1-2	**88 J+**	1.4 J+	6.9 R	2.5 J+
	16.5-17.5	8.7 R	4.4 R	4.4 R	4.4 R
RI-SB-47	0-0.5	18 U	9 U	9 U	9 U
	1-2	10 U	5.2 U	5.2 U	3 J
	19-20	12 U	5.7 J	6.1 U	8.2
RI-SB-48	0-0.5	12 U	6.1 U	6.1 U	6.1 U
	1-2	23 U	12 U	12 U	**48**
	19-20	15 U	5.1 J	7.6 U	3.2 J
	21-22	10 U	5.2 U	5.2 U	5.2 U
	26-27	8.7 U	4.4 U	4.4 U	4.4 U
	34-35	8.4 U	4.2 U	4.2 U	4.2 U
RI-SB-49	0-0.5	12 UJ	5.8 UJ	5.8 UJ	5.8 UJ
	1-2	11 U	5.5 U	5.5 U	23
	8-9	**47 J+**	9.1 U	9.1 U	**44**
RI-SB-50	0-0.5	16 UJ	7.9 UJ	7.9 UJ	7.9 UJ
	1-2	17 U	8.3 U	8.3 U	8.3 U
	19-20	**120 J+**	8.8 R	8.8 R	32 J+
RI-SB-51	0-0.5	21 U	11 U	11 U	11 U
	1-2	14 U	6.8 U	6.8 U	15
	9-10	11 U	5.4 U	5.4 U	5.4 U
	25-26	10 U	5.2 U	5.2 U	5.2 U
	31-32	**59 J+**	7.7 R	7.7 R	7.7 R
RI-SB-52	0-0.5	8.6 U	4.3 U	4.3 U	4.3 U
	1-2	9.5 U	4.7 U	4.7 U	4.7 U
	2-3	12 U	5.8 U	5.8 U	5.8 U
RI-SB-53	0-0.5	10 U	0.47 J	5.1 U	5.1 U
	1-2	15 U	7.6 U	7.6 U	8.7
	14-15	12 U	5.2 J	6.1 U	6.1 U
RI-SB-54	0-0.5	11 U	5.6 U	5.6 U	5.6 U
	1-2	11 U	5.7 U	5.7 U	0.87 J
	3-4	**76 J+**	0.6 J+	4.7 R	2.5 J+
RI-SB-55	0-0.5	17 U	8.3 U	8.3 U	8.3 U
	1-2	11 U	5.6 U	5.6 U	5.6 U
	8-9	12 U	5.8 U	5.8 U	5.8 U
	28.5-29.5	**20 J+**	4.6 R	4.6 R	4.6 R
	31-32	9.1 U	4.6 U	4.6 U	4.6 U
	33-34	13 U	6.3 U	6.3 U	6.3 U
RI-SB-56	0-0.5	10 U	5.1 U	5.1 U	5.1 U
	1-2	12 U	0.55 J+	6.1 U	0.79 J+
	2-6	11 U	5.3 U	5.3 U	5.3 U
RI-SB-57	0-0.5	680 U	340 U	**58 J**	340 U
	1-2	700 U	350 U	350 U	350 U
	18-19	490 U	**410**	240 U	**91 J**
RI-SB-58	0-0.5	13 U	1.9 J	6.5 U	6.5 U
	1-2	13 J+	0.53 J	6.4 U	1.3 J
	18-19	690 U	**1200**	350 U	350 U
RI-SB-59	0-0.5	**46 J+**	7 R	7 R	7 R
	1-2	12 U	6 U	6 U	11
	8-9	15 R	7.7 R	7.7 R	7.7 R
	24-25	9.1 U	0.51 J	4.5 U	4.5 U
RI-SB-61	0-0.5	11 U	5.7 U	5.7 U	1.9 J
	1-2	14 J+	6.5 U	6.5 U	8.5
	7-8	730 U	130 J	370 U	370 U
	21-22	530 U	230 J	260 U	260 U
	26-27	13 J+	4.7 UJ	4.7 UJ	4.7 UJ
	36-37	13 J+	5.7 UJ	5.7 UJ	5.7 UJ
RI-SB-63	0-0.5	11 U	0.73 J	5.6 U	4.7 J
	1-2	8.8 U	4.4 U	4.4 U	0.52 J
	2-3	11 U	5.5 U	5.5 U	5.5 U
RI-SB-64	0-0.5	11 U	0.4 J	7.3	2.5 J
	1-2	15 R	7.3 R	7.3 R	6.3 J+
	2-3	11 U	5.6 U	5.6 U	5.6 U
RI-SB-65	0-0.5	11 U	5.5 U	5.5 U	9
	1-2	11 U	0.45 J	5.4 U	9.3
	4-5	13 U	0.68 J+	6.3 U	6.3 U
RI-SB-66	0-0.5	14 U	6.9 U	6.9 U	6.9 U
	1-2	610 U	300 U	300 U	**81 J**
	10-11	13 J+	6.3 U	6.3 U	6.3 U
RI-SB-67	0-0.5	13 U	0.54 J	6.4 U	6.4 U
	3-3.5	9.8 U	4.9 U	4.9 U	4.9 U
	4-5	12 U	14 J+	6 U	6 U
RI-SB-68	0-0.5	**18 J+**	0.54 J	5.8 J	8 U
	2-3	650 U	140 J	**3800**	**180 J**
	5-6	3000 U	**1200 J**	**22000**	**370 J**
	21-22	10 U	5.1 U	5.1 U	5.1 U
RI-SB-69	0-0.5	14 J+	6 U	6 U	2.1 J
	1-2	**79 J+**	7.8 U	7.8 U	5.7 J
	9-10	18 R	9.2 U	9.2 U	9.2 U
RI-SB-70	0-0.5	14 U	6.8 U	6.8 U	6.8 U
	1-2	16 U	8.1 U	8.1 U	8.1 U
	4-5	710 U	91 J	360 U	360 U
RI-SB-71	0-0.5	**36 J+**	8.5 UJ	8.5 UJ	8.5 UJ
	1-2	18 U	8.8 U	8.8 U	8.8 U
	8-9	**31 J+**	5.5 UJ	5.5 UJ	0.86 J+
RI-SB-72	0-0.5	13 U	6.3 U	6.3 U	6.3 U
	1-2	12 U	5.9 U	5.9 U	0.78 J
	8-9	18 U	8.8 U	8.8 U	8.8 U
RI-SB-73	0-0.5	14 U	6.8 U	6.8 U	6.8 U
	1-2	15 U	7.6 U	7.6 U	7.6 U
	2.5-3.5	21 U	10 U	10 U	1.7 J
RI-SB-74	0-0.5	12 J+	0.33 J	6 U	6 U
	1-2	12 J+	4.7 U	4.7 U	3.1 J
	11-12	10 U	0.39 J	5.2 U	3.8 J
RI-SB-75	1-2	11 UJ	1.6 J	5.3 UJ	5.3 UJ
	4-5	11 UJ	0.33 J	5.4 UJ	0.54 J



Analyte	Soil PAL
2-Hexanone	17.6
Ethylbenzene	360
Tetrachloroethene	46
Trichloroethene	36

Notes:
1. Unit - ug/kg
2. **Identifies results that exceed the listed PAL value**
3. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023, April 2025)

Acronyms:
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

CDM Smith

N

0 700 1,400 Feet

NAD 1983 StatePlane Michigan South FIPS 2113 Feet

- Year 1 Soil Boring
- Year 2 Soil Boring
- Current Structure
- Former Structure
- Former Tanks & Silos
- McLouth Steel Corp. Superfund Site
- RTRR Property Site

Figure 6
Distribution of VOCs
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

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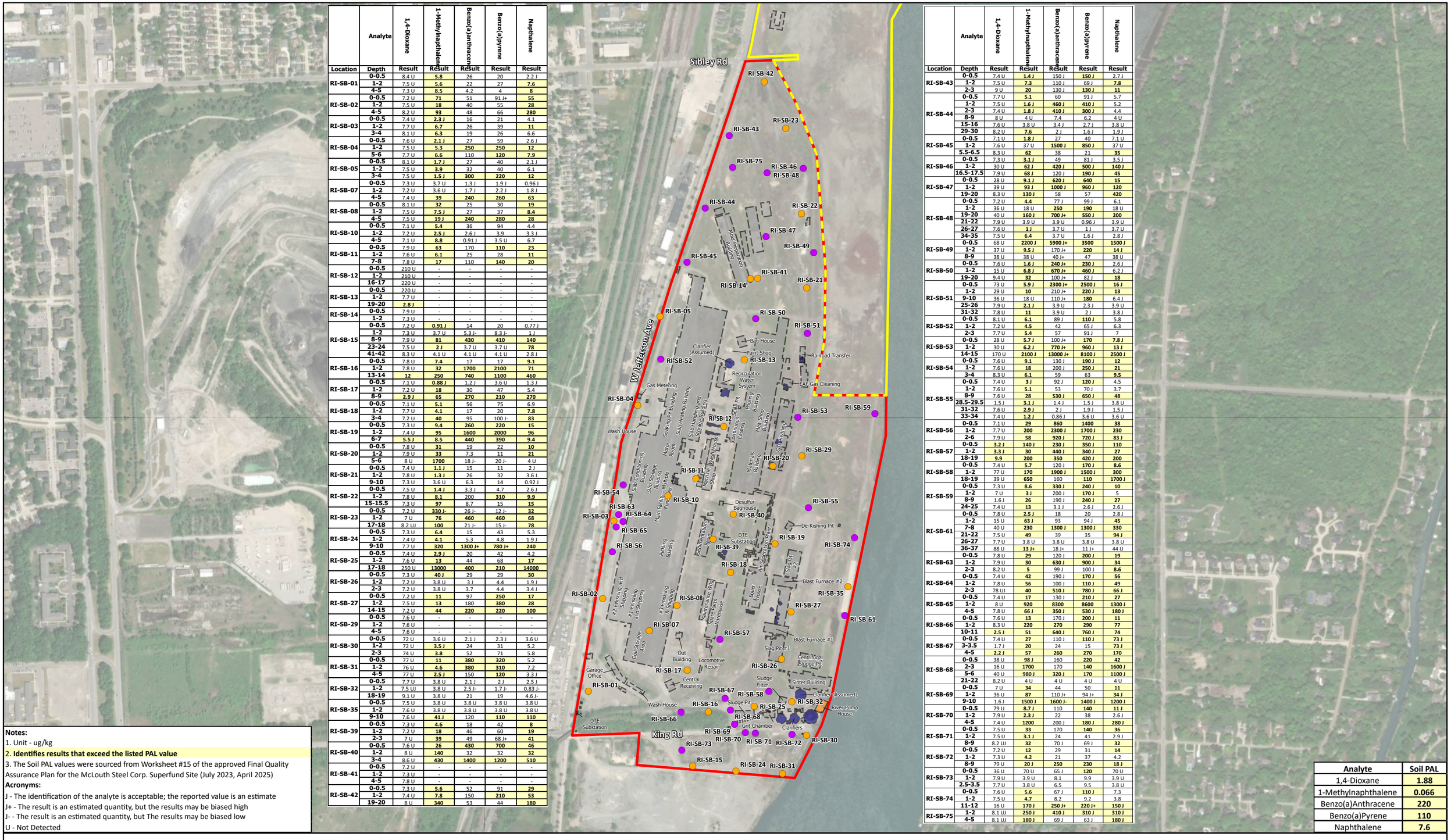
Location	Depth	Analyte: 1,4-Dioxane	1-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Naphthalene
		Result	Result	Result	Result	Result
RI-SB-01	0-0.5	8.4 U	**5.8**	26	20	2.2 J
	1-2	7.5 U	**5.6**	22	27	**7.6**
	4-5	7.3 U	**8.5**	4.2	4	**8**
RI-SB-02	0-0.5	7.2 U	**71**	51	91 J+	**55**
	1-2	7.5 U	**18**	40	55	**28**
	4-5	8.2 U	**93**	48	66	**280**
RI-SB-03	0-0.5	7.4 U	**2.3 J**	16	21	4.1
	1-2	7.7 U	**6.7**	26	39	**11**
	3-4	8.1 U	**6.3**	19	26	6.6
RI-SB-04	0-0.5	7.6 U	**2.1 J**	27	59	2.6 J
	1-2	7.5 U	**5.3**	**250**	**250**	**12**
	5-6	7.7 U	**6.6**	110	**120**	**7.9**
RI-SB-05	0-0.5	8.1 U	**1.7 J**	27	40	2.1 J
	1-2	7.5 U	**3.9**	32	40	6.1
	3-4	7.5 U	**1.5 J**	**300**	**220**	**12**
RI-SB-07	0-0.5	7.3 U	3.7 U	1.3 J	1.9 J	0.96 J
	1-2	7.2 U	3.6 U	1.7 J	2.2 J	1.8 J
	4-5	7.4 U	**39**	**240**	**260**	**63**
RI-SB-08	0-0.5	8.1 U	**32**	25	30	**19**
	1-2	7.5 U	**7.5 J**	27	37	**8.4**
	4-5	7.5 U	**19 J**	**240**	**280**	**28**
RI-SB-10	0-0.5	7.1 U	**5.4**	36	94	4.4
	1-2	7.2 U	**2.5 J**	2.6 J	3.9	3.3 J
	4-5	7.1 U	**8.8**	0.91 J	3.5 U	6.7
RI-SB-11	0-0.5	7.9 U	**63**	170	**110**	**23**
	1-2	7.6 U	**6.1**	25	28	**11**
	7-8	7.8 U	**17**	110	**140**	**20**
RI-SB-12	0-0.5	210 U	-	-	-	-
	1-2	210 U	-	-	-	-
	16-17	220 U	-	-	-	-
RI-SB-13	0-0.5	220 U	-	-	-	-
	1-2	7.7 U	-	-	-	-
	19-20	**2.8 J**	-	-	-	-
RI-SB-14	0-0.5	7.9 U	-	-	-	-
	1-2	7.3 U	-	-	-	-
RI-SB-15	0-0.5	7.2 U	**0.91 J**	14	20	0.77 J
	1-2	7.3 U	3.7 U	5.3 J-	8.3 J-	1.1
	8-9	7.9 U	**81**	**430**	**410**	**140**
	23-24	7.5 U	**2 J**	3.7 U	3.7 U	**78**
	41-42	8.3 U	4.1 U	4.1 U	4.1 U	2.8 J
RI-SB-16	0-0.5	7.8 U	**7.4**	17	17	**9.1**
	1-2	7.8 U	**32**	**1700**	**2100**	**71**
	13-14	**12**	**250**	**740**	**1100**	**460**
RI-SB-17	0-0.5	7.1 U	**0.88 J**	1.2 J	3.6 U	1.3 J
	1-2	7.2 U	**18**	30	47	5.4
	8-9	**2.9 J**	65	**270**	**210**	**270**
RI-SB-18	0-0.5	7.1 U	**5.1**	56	75	6.9
	1-2	7.7 U	**4.1**	17	20	**7.8**
	3-4	7.2 U	**40**	95	100 J-	**83**
RI-SB-19	0-0.5	7.3 U	**9.4**	**260**	**220**	**15**
	1-2	7.4 U	**95**	**1600**	**2000**	**96**
	6-7	**5.5 J**	**8.5**	**440**	**390**	**9.4**
RI-SB-20	0-0.5	7.8 U	**31**	19	22	**10**
	1-2	7.9 U	**33**	7.3	11	**21**
	5-6	8 U	**1700**	18 J-	20 J-	4 U
RI-SB-21	0-0.5	7.4 U	**1.1 J**	15	11	2 J
	1-2	7.8 U	**1.3 J**	26	32	3.6 J
	9-10	7.3 U	3.6 U	6.3	14	0.92 J
RI-SB-22	0-0.5	7.5 U	**1.4 J**	3.3 J	4.7	2.6 J
	1-2	7.8 U	**8.1**	200	**310**	**9.9**
	15-15.5	7.3 U	**97**	8.7	15	**15**
RI-SB-23	0-0.5	7.2 U	**330 J-**	26 J-	12 J-	**32**
	1-2	7 U	**76**	**460**	**460**	**68**
	17-18	8.2 UJ	**100**	21 J-	15 J-	**78**
RI-SB-24	0-0.5	7.3 U	**6.4**	15	43	5.3
	1-2	7.4 U	**4.1**	5.3	4.8	1.9 J
	9-10	7.7 U	**320**	**1300 J+**	**780 J+**	**240**
RI-SB-25	0-0.5	7.4 U	**2.9 J**	20	42	4.2
	1-2	7.6 U	**13**	44	68	**17**
	17-18	250 U	**13000**	**400**	**210**	**14000**
RI-SB-26	0-0.5	7.3 U	**40 J**	29	29	**30**
	1-2	7.2 U	3.8 U	3 J	4.4	1.9 J
	2-3	7.2 U	3.8 U	3.7	4.4	3.4 J
RI-SB-27	0-0.5	7.2 U	**11**	97	**250**	**17**
	1-2	7.5 U	**13**	180	**380**	**28**
	14-15	7.2 U	**44**	**220**	**220**	**100**
RI-SB-29	0-0.5	7.6 U	-	-	-	-
	1-2	7.6 U	-	-	-	-
	4-5	7.6 U	-	-	-	-
RI-SB-30	0-0.5	72 U	3.6 U	2.1 J	2.3 J	3.6 U
	1-2	72 U	**3.5 J**	24	31	5.2
	2-3	74 U	**3.8**	52	71	5.8
RI-SB-31	0-0.5	77 U	**11**	**380**	**320**	5.2
	1-2	76 U	**4.6**	**380**	**310**	7.2
	4-5	77 U	**2.5 J**	150	**120**	3.3 J
RI-SB-32	0-0.5	7.7 U	3.8 U	2.1 J	2 J	2.5 J
	1-2	7.5 UJ	3.8 U	2.5 J-	1.7 J-	0.83 J-
	18-19	9.1 U	3.8 U	21	19	4.6 J-
RI-SB-35	0-0.5	7.5 U	3.8 U	3.8 U	3.8 U	3.8 U
	1-2	7.6 U	3.8 U	3.8 U	3.8 U	3.8 U
	9-10	7.6 U	**41 J**	120	**110**	**110**
RI-SB-39	0-0.5	7.3 U	**4.6**	18	42	**8**
	1-2	7.2 U	**18**	46	60	**19**
	2-3	7 U	**39**	49	68 J+	**41**
RI-SB-40	0-0.5	7.6 U	**26**	**430**	**700**	**46**
	1-2	8 U	**140**	32	32	**32**
	3-4	8.6 U	**430**	**1400**	**1200**	**510**
RI-SB-41	0-0.5	7.2 U	-	-	-	-
	1-2	7.3 U	-	-	-	-
	4-5	7.8 U	-	-	-	-
RI-SB-42	0-0.5	7.3 U	**5.6**	52	91	**29**
	1-2	7.4 U	**7.8**	150	**210**	**53**
	19-20	8 U	**340**	53	44	**180**

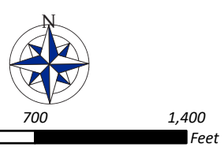
Location	Depth	Analyte: 1,4-Dioxane	1-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Naphthalene
		Result	Result	Result	Result	Result
RI-SB-43	0-0.5	7.4 U	**1.4 J**	150 J	**150 J**	2.7 J
	1-2	7.5 U	**7.3**	110 J	69 J	**7.8**
	2-3	9 U	**20**	130 J	**130 J**	**11**
RI-SB-44	0-0.5	7.7 U	**5.1**	60	91 J	5.7
	1-2	7.5 U	**1.6 J**	**460 J**	**410 J**	5.2
	2-3	7.4 U	**1.8 J**	**410 J**	**300 J**	4.4
	8-9	8 U	4 U	7.4	6.2	4 U
	15-16	7.6 U	3.8 U	3.4 J	2.7 J	3.8 U
	29-30	8.2 U	**7.6**	2 J	1.6 J	1.9 J
RI-SB-45	0-0.5	7.1 U	**1.8 J**	27	40	7.1 U
	1-2	7.6 U	37 U	**1500 J**	**850 J**	37 U
	5.5-6.5	8.3 U	**62**	38	21	**35**
RI-SB-46	0-0.5	7.3 U	**3.1 J**	49	81 J	3.5 J
	1-2	30 U	**62 J**	**420 J**	**500 J**	**140 J**
	16.5-17.5	7.9 U	**68 J**	120 J	**190 J**	**45**
RI-SB-47	0-0.5	28 U	**9.1 J**	**620 J**	**640**	**15**
	1-2	39 U	**93 J**	**1000 J**	**960 J**	**120**
	19-20	8.3 U	**130 J**	58	57	**420**
RI-SB-48	0-0.5	7.2 U	**4.4**	77 J	99 J	6.1
	1-2	36 U	18 U	**250**	**190**	18 U
	19-20	40 U	**160 J**	**700 J+**	**550 J**	**200**
	21-22	7.9 U	3.9 U	3.9 U	0.96 J	3.9 U
	26-27	7.6 U	**1 J**	3.7 U	1 J	3.7 U
	34-35	7.5 U	**6.4**	3.7 U	1.6 J	2.8 J
RI-SB-49	0-0.5	68 U	**2200 J**	**5900 J+**	**3500**	**1500 J**
	1-2	37 U	**9.5 J**	170 J+	**220**	**14 J**
	8-9	38 U	38 U	40 J+	47	38 U
RI-SB-50	0-0.5	7.6 U	**1.6 J**	**240 J+**	**230 J**	2.6 J
	1-2	15 U	**6.8 J**	**670 J+**	**460 J**	6.2 J
	19-20	9.4 U	**32**	100 J+	82 J	**18**
RI-SB-51	0-0.5	73 U	**5.9 J**	**2300 J+**	**2500 J**	**16 J**
	1-2	29 U	**10**	210 J+	**220 J**	**13**
	9-10	36 U	18 U	110 J+	**180**	6.4 J
	25-26	7.9 U	**2.1 J**	3.9 U	2.3 J	3.9 U
	31-32	7.8 U	**11**	3.9 U	2 J	3.8 J
RI-SB-52	0-0.5	8.1 U	**6.1**	89 J	**110 J**	5.8
	1-2	7.2 U	**4.5**	42	65 J	6.3
	2-3	7.7 U	**5.4**	57	91 J	7
RI-SB-53	0-0.5	28 U	**5.7 J**	100 J+	**170**	**7.8 J**
	1-2	30 U	**6.2 J**	**770 J+**	**960 J**	**13 J**
	14-15	170 U	**2100 J**	**13000 J+**	**8100 J**	**2500 J**
RI-SB-54	0-0.5	7.6 U	**9.1**	130 J	**190 J**	**12**
	1-2	7.6 U	**18**	200 J	**250 J**	**21**
	3-4	8.3 U	**6.1**	59	63	**9.5**
RI-SB-55	0-0.5	7.4 U	**3 J**	92 J	**120 J**	4.5
	1-2	7.6 U	**5.1**	53	70 J	3.7
	8-9	7.6 U	**28**	**530 J**	**650 J**	**48**
	28.5-29.5	1.5 J	**3.1 J**	1.4 J	1.5 J	3.8 U
	31-32	7.6 U	**2.9 J**	2 J	1.9 J	1.5 J
	33-34	7.4 U	**1.2 J**	0.86 J	3.6 U	3.6 U
RI-SB-56	0-0.5	7.1 U	**29**	**860**	**1400**	**38**
	1-2	7.7 U	**200**	**2300 J**	**1700 J**	**230**
	2-6	7.9 U	**58**	**920 J**	**720 J**	**83 J**
RI-SB-57	0-0.5	**3.2 J**	**140 J**	**230 J**	**350 J**	**110**
	1-2	**3.3 J**	**30**	**440 J**	**340 J**	**27**
	18-19	**9.9**	**200**	**350**	**420 J**	**200**
RI-SB-58	0-0.5	7.4 U	**5.7**	120 J	**170 J**	**8.6**
	1-2	77 U	**170**	**1900 J**	**1500 J**	**300**
	18-19	39 U	**650**	160	**110**	**1700 J**
RI-SB-59	0-0.5	7.3 U	**8.6**	**330 J**	**240 J**	**10**
	1-2	7 U	**3 J**	200 J	**170 J**	5
	8-9	1.6 J	**26**	190 J	**240 J**	**27**
	24-25	7.4 U	**13**	3.1 J	2.6 J	2.6 J
RI-SB-61	0-0.5	7.8 U	**2.5 J**	18	20	2.8 J
	1-2	15 U	**63 J**	93	94 J	**45**
	7-8	40 U	**230**	**1300 J**	**1300 J**	**330**
	21-22	7.5 U	**49**	39	35	**94 J**
	26-27	7.7 U	3.8 U	3.8 U	3.8 U	3.8 U
	36-37	88 U	**13 J+**	18 J+	11 J+	44 U
RI-SB-63	0-0.5	7.8 U	**29**	120 J	**200 J**	**19**
	1-2	7.9 U	**30**	**630 J**	**900 J**	**34**
	2-3	8.2 U	**5**	99 J	100 J	**8.6**
RI-SB-64	0-0.5	7.4 U	**42**	190 J	**170 J**	**56**
	1-2	7.8 U	**56**	100 J	**110 J**	**49**
	2-3	78 UJ	**40**	**510 J**	**780 J**	**66 J**
RI-SB-65	0-0.5	7.4 U	**17**	130 J	**210 J**	**27**
	1-2	8 U	**920**	**8300**	**8600**	**1300 J**
	4-5	7.8 U	**66 J**	**350 J**	**530 J**	**180 J**
RI-SB-66	0-0.5	7.6 U	**13**	170 J	**200 J**	**11**
	1-2	8.3 U	**220**	**270**	**290**	**77**
	10-11	**2.5 J**	**51**	**640 J**	**760 J**	**74**
RI-SB-67	0-0.5	7.4 U	**27**	110 J	**110 J**	**73 J**
	3-3.5	1.7 J	**20**	24	15	**73 J**
	4-5	**2.2 J**	**57**	**260**	**270**	**170**
RI-SB-68	0-0.5	38 U	**98 J**	160	**220**	**42**
	2-3	16 U	**1700**	170	**140**	**1600 J**
	5-6	40 U	**980 J**	**320 J**	**170**	**1100 J**
	21-22	8.2 U	4 U	4 U	4 U	4 U
RI-SB-69	0-0.5	7 U	**34**	44	50	**11**
	1-2	36 U	**87**	110 J+	94 J+	**34 J**
	9-10	1.6 J	**1500 J**	**1600 J-**	**1400 J**	**1200 J**
RI-SB-70	0-0.5	79 U	**8.7 J**	110	**140**	**11 J**
	1-2	7.9 U	**2.3 J**	22	38	2.6 J
	4-5	7.4 U	**1200**	200 J	**180 J**	**280 J**
RI-SB-71	0-0.5	7.5 U	**33**	170	**140**	**36**
	1-2	7.5 U	**3.1 J**	24	41	2.9 J
	8-9	8.2 UJ	**32**	70 J	69 J	**32**
RI-SB-72	0-0.5	7.2 U	**12**	29	31	**14**
	1-2	7.3 U	**4.2**	21	37	4.2
	8-9	79 U	**20 J**	**250**	**230**	**18 J**
RI-SB-73	0-0.5	36 U	70 U	65 J	**120**	70 U
	1-2	7.9 U	3.9 U	8.1	9.9	3.9 U
	2.5-3.5	7.7 U	3.8 U	6.5	9.5	3.8 U
RI-SB-74	0-0.5	7.6 U	**5.6**	67 J	**110 J**	7.3
	1-2	7.5 U	**4.7**	8.2	9.2	3.8
	11-12	16 U	**170 J**	**250 J+**	**220 J+**	**150 J**
RI-SB-75	1-2	8.1 UJ	**250 J**	**410 J**	**310 J**	**310 J**
	4-5	8.1 UJ	**180 J**	69 J	63 J	**180 J**

Analyte	Soil PAL
1,4-Dioxane	**1.88**
1-Methylnaphthalene	**0.066**
Benzo(a)Anthracene	**220**
Benzo(a)Pyrene	**110**
Naphthalene	**7.6**

Notes:
1. Unit - ug/kg
2. **Identifies results that exceed the listed PAL value**
3. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023, April 2025)

Acronyms:
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected



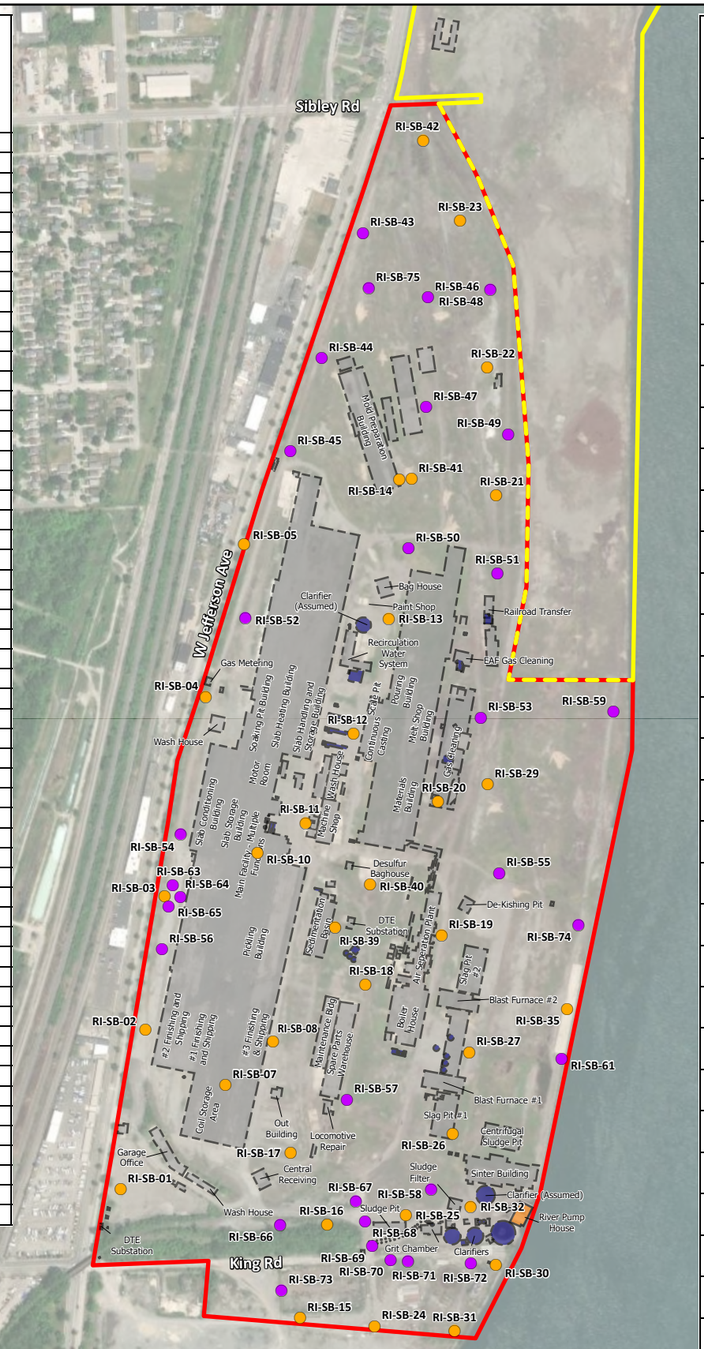


NAD 1983 StatePlane Michigan South FIPS 2113 Feet

- Year 1 Soil Boring
- Year 2 Soil Boring
- Current Structure
- Former Structure
- Former Tanks & Silos
- McLouth Steel Corp. Superfund Site
- RTRR Property Site

Figure 7
Distribution of SVOCs
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

Location	Depth	4,4'-DDE	Alpha-BHC	Delta-BHC	Dieldrin	Endrin Aldehyde
	Analyte	4,4'-DDE	Alpha-BHC	Delta-BHC	Dieldrin	Endrin Aldehyde
RI-SB-01	0-0.5	1.2 J	2.2 U	2.2 U	4.2 U	4.2 U
	1-2	3.7 U	1.9 U	1.9 U	3.7 U	3.7 U
	4-5	3.6 U	1.9 U	1.9 U	3.6 U	3.6 U
RI-SB-02	0-0.5	0.95 J	1.9 U	**0.4 J**	3.6 U	3.6 U
	1-2	3.8 U	1.9 U	1.9 U	3.8 U	3.8 U
	4-5	4.1 U	2.1 U	2.1 U	4.1 U	4.1 U
RI-SB-04	0-0.5	0.39 J	2 U	2 U	3.8 U	3.8 U
	1-2	130	1.9 U	1.9 U	3.7 U	3.7 U
	5-6	4.9 J	2 U	2 U	3.9 U	3.9 U
RI-SB-07	0-0.5	3.7 U	1.9 U	**0.2 J**	3.7 U	3.7 U
	1-2	3.6 U	1.9 U	**0.4 J**	3.6 U	3.6 U
	4-5	3.7 U	1.9 U	1.9 U	3.7 U	3.7 U
RI-SB-08	0-0.5	4 UJ	2.1 UJ	2.1 UJ	4 UJ	4 UJ
	1-2	3.8 U	1.9 U	**2.9 J**	3.8 U	3.8 U
	4-5	3.7 U	1.9 U	**0.29 J**	3.7 U	3.7 U
RI-SB-10	0-0.5	0.63 J	1.8 U	**0.49 J**	1.4 J	3.6 U
	1-2	3.6 U	1.8 U	1.8 U	0.38 J	3.6 U
	4-5	3.5 U	1.8 U	1.8 U	3.5 U	3.5 U
RI-SB-11	0-0.5	2.1 J	2 U	2 U	3.9 U	3.9 U
	1-2	3.7 U	1.9 U	**0.19 J**	**1.8 J**	3.7 U
	7-8	3.9 U	2 U	**0.56 J**	3.9 U	3.9 U
RI-SB-16	0-0.5	3.8 U	2 U	2 U	3.8 U	3.8 U
	1-2	3.9 U	2 U	**0.86 J**	3.9 U	3.9 U
	13-14	3.8 U	2 U	**0.98 J**	**3.3 J**	3.8 U
RI-SB-23	0-0.5	7 J-	1.9 UJ	1.9 UJ	**7.6**	3.6 UJ
	1-2	3.5 U	1.8 U	1.8 U	3.5 U	3.5 U
	17-18	3.2 J-	2.1 UJ	**0.33 J-**	4 UJ	4 UJ
RI-SB-25	0-0.5	7.8	1.9 U	**0.26 J**	3.7 U	3.7 U
	1-2	0.44 J	2 U	**0.55 J**	3.8 U	3.8 U
	17-18	120 UJ	62 UJ	62 UJ	120 U	120 UJ
RI-SB-26	0-0.5	3.7 U	1.9 U	1.9 U	3.7 U	3.7 U
	1-2	3.6 U	1.8 U	1.8 U	1.1 J	3.6 U
	2-3	3.6 U	1.9 U	1.9 U	0.46 J	3.6 U
RI-SB-30	0-0.5	3.6 U	1.8 U	1.8 U	3.6 U	3.6 U
	1-2	3.6 U	1.8 U	**0.18 J**	0.19 J	3.6 U
	2-3	0.74 J	1.9 U	1.9 U	3.7 U	3.7 U
RI-SB-31	0-0.5	1.7 J	2 U	2 U	**3 J**	3.8 U
	1-2	0.96 J	1.9 U	1.9 U	**1.7 J**	3.8 U
	4-5	0.9 J	2 U	2 U	3.8 U	3.8 U
RI-SB-32	0-0.5	3.9 U	2 U	2 U	3.9 U	3.9 U
	1-2	3.7 U	1.9 U	**0.35 J**	3.7 U	3.7 U
	18-19	4.5 U	2.3 U	**1.5 J**	4.5 U	4.5 U
RI-SB-35	0-0.5	3.8 U	1.9 U	1.9 U	3.8 U	3.8 U
	1-2	3.8 U	1.9 U	1.9 U	3.8 UJ	3.8 U
	9-10	0.51 J	1.9 U	1.9 U	3.7 U	3.7 U
RI-SB-39	0-0.5	3.6 U	1.9 U	1.9 U	3.6 U	3.6 U
	1-2	3.6 U	1.9 U	1.9 U	**2 J**	3.6 U
	2-3	3.5 U	1.8 U	1.8 U	**4.5**	3.5 U
RI-SB-40	0-0.5	3.8 U	2 U	**0.44 J**	3.8 U	3.8 U
	1-2	4 U	2.1 U	**0.23 J**	4 U	4 U
	3-4	4.2 U	2.2 U	2.2 U	4.2 U	4.2 U
RI-SB-42	0-0.5	3.6 U	1.9 U	**0.24 J**	1.2 J	3.6 U
	1-2	0.41 J	1.9 U	**0.33 J**	3.7 U	3.7 U
	19-20	2 J	2.1 U	2.1 U	4 U	4 U



Location	Depth	4,4'-DDE	Alpha-BHC	Delta-BHC	Dieldrin	Endrin Aldehyde
	Analyte	4,4'-DDE	Alpha-BHC	Delta-BHC	Dieldrin	Endrin Aldehyde
RI-SB-43	0-0.5	39 J	1.9 U	1.9 U	3.6 U	3.6 U
	1-2	1.9 J	1.9 U	1.9 U	3.7 U	3.7 U
RI-SB-44	0-0.5	6.1	1.9 U	1.9 U	**3.3 J**	3.7 U
	1-2	**250**	1.8 U	1.8 U	3.5 U	3.5 U
RI-SB-45	0-0.5	6 J	1.8 U	1.8 U	**6.4 J**	3.5 U
	1-2	3.7 U	1.9 U	1.9 U	3.7 U	3.7 U
RI-SB-46	0-0.5	3.6 U	1.9 U	1.9 U	**1.9 J**	3.6 U
	1-2	3.6 U	1.8 U	1.8 U	0.51 J	3.6 U
RI-SB-47	0-0.5	0.46 J	0.7 J	1.8 U	**11 J**	3.4 U
	1-2	3.8 U	0.29 J	2 U	0.64 J	2.3 J
RI-SB-48	0-0.5	0.8 J	1.8 U	1.8 U	0.84 J	3.5 U
	1-2	3.6 U	1.9 U	1.9 U	3.6 U	3.6 U
RI-SB-49	0-0.5	3.5 U	1.8 U	1.8 U	1.4 J	4.7 J
	1-2	3.7 U	0.25 J	1.9 U	3.7 U	3.7 U
RI-SB-50	0-0.5	3.8 U	1.9 U	1.9 U	3.8 U	3.8 U
	1-2	3.6 U	1.9 U	1.9 U	3.6 U	3.6 U
RI-SB-51	0-0.5	3.5 U	1.8 U	1.8 U	**3 J**	5.5 J
	1-2	5.5 J	**3.7 J**	1.8 U	1.4 J	**54 J**
RI-SB-52	0-0.5	0.53 J	2 U	2 U	0.83 J	4 U
	1-2	3.2 J	1.9 U	1.9 U	**2.1 J**	2.5 J
RI-SB-53	0-0.5	0.52 J	0.32 J	1.8 U	**2.3 J**	3.5 U
	1-2	3.6 U	1.9 U	1.9 U	3.6 U	3.6 U
RI-SB-54	0-0.5	6.4	1.9 U	1.9 U	**4.4 J**	3.6 J
	1-2	3.7 U	1.9 U	1.9 U	**1.8 J**	2.9 J
RI-SB-55	0-0.5	0.46 J	1.8 U	1.8 U	1.4 J	3.6 U
	1-2	3.7 U	1.9 U	1.9 U	0.94 J	3.7 U
RI-SB-56	0-0.5	3.6 U	1.9 U	1.9 U	1.4 J	3.6 U
	1-2	3.7 U	1.9 U	1.9 U	0.46 J	3.7 U
RI-SB-57	0-0.5	3.4 U	1.7 U	1.7 U	1.1 J	3.4 U
	1-2	0.98 J	1.9 U	1.9 U	1.2 J	2.2 J
RI-SB-58	0-0.5	6 J	0.83 J	1.9 U	1 J	**49**
	1-2	1.5 J	**5.8 J**	**1.3 J**	**5.1 J**	**23 J**
RI-SB-59	0-0.5	0.98 J	1.9 U	1.9 U	0.69 J	3.6 U
	1-2	3.6 U	0.29 J	1.8 U	3.6 U	3.6 U
RI-SB-61	0-0.5	4 U	2 U	2 U	4 U	4 U
	1-2	0.55 J	1.9 U	1.9 U	0.81 J	2.8 J
RI-SB-63	0-0.5	0.68 J	1.9 U	1.9 U	**2.8 J**	3.7 U
	1-2	0.41 J	2 U	2 U	0.94 J	3.9 U
RI-SB-64	0-0.5	3.7 U	0.24 J	1.9 U	1.1 J	10
	1-2	3.9 U	2 U	2 U	3.9 U	3.9 U
RI-SB-65	0-0.5	3.7 U	1.9 U	1.9 U	3.7 U	3.7 U
	1-2	3.8 U	2 U	2 U	3.8 U	3.8 U
RI-SB-66	0-0.5	3.7 U	1.9 U	1.9 U	1.4 J	3.7 U
	1-2	1.9 J	0.34 J	2 U	**2.8 J**	3.9 U
RI-SB-67	0-0.5	0.55 J	1.9 U	1.9 U	**1.7 J**	3.7 U
	3-3.5	3.7 U	1.9 U	1.9 U	3.7 U	3.7 U
RI-SB-68	0-0.5	0.7 J	2 U	2 U	**6.2 J**	3.5 J
	2-3	6.3	0.72 J	2 U	**1.8 J**	3.9 U
RI-SB-69	0-0.5	3.5 U	1.8 U	1.8 U	3.5 U	3.5 U
	1-2	1.4 J	1.8 U	1.8 U	0.89 J	4.3
RI-SB-70	0-0.5	4 U	2 U	2 U	1.2 J	2.7 J
	1-2	1.4 J	1.9 U	1.9 U	0.61 J	3.8 U
RI-SB-71	0-0.5	0.69 J	1.8 U	1.8 U	0.78 J	3.1 J
	1-2	3.7 U	1.9 U	1.9 U	3.7 U	3.7 U
RI-SB-72	0-0.5	3.7 U	1.9 U	1.9 U	0.56 J	3.7 U
	1-2	3 J	0.29 J	1.9 U	**2.8 J**	3.5 J
RI-SB-73	0-0.5	3.6 U	1.9 U	1.9 U	3.6 U	3.6 U
	1-2	0.43 J	2 U	2 U	3.8 U	3.8 U
RI-SB-74	0-0.5	3.8 U	1.9 U	1.9 U	3.8 U	3.8 U
	1-2	3.8 U	2 U	2 U	3.8 U	3.8 U
RI-SB-75	4-5	4 UJ	2.1 UJ	2.1 UJ	4 UJ	4 UJ

Analyte	Soil PAL
4,4'-DDE	**220**
Alpha-BHC	**0.84**
Delta-BHC	**0.0084**
Dieldrin	**1.42**
Endrin Aldehyde	**10.5**

Notes:
1. Unit - ug/kg
2. **Identifies results that exceed the listed PAL value**
3. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023, April 2025)

Acronyms:
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
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U - Not Detected

N

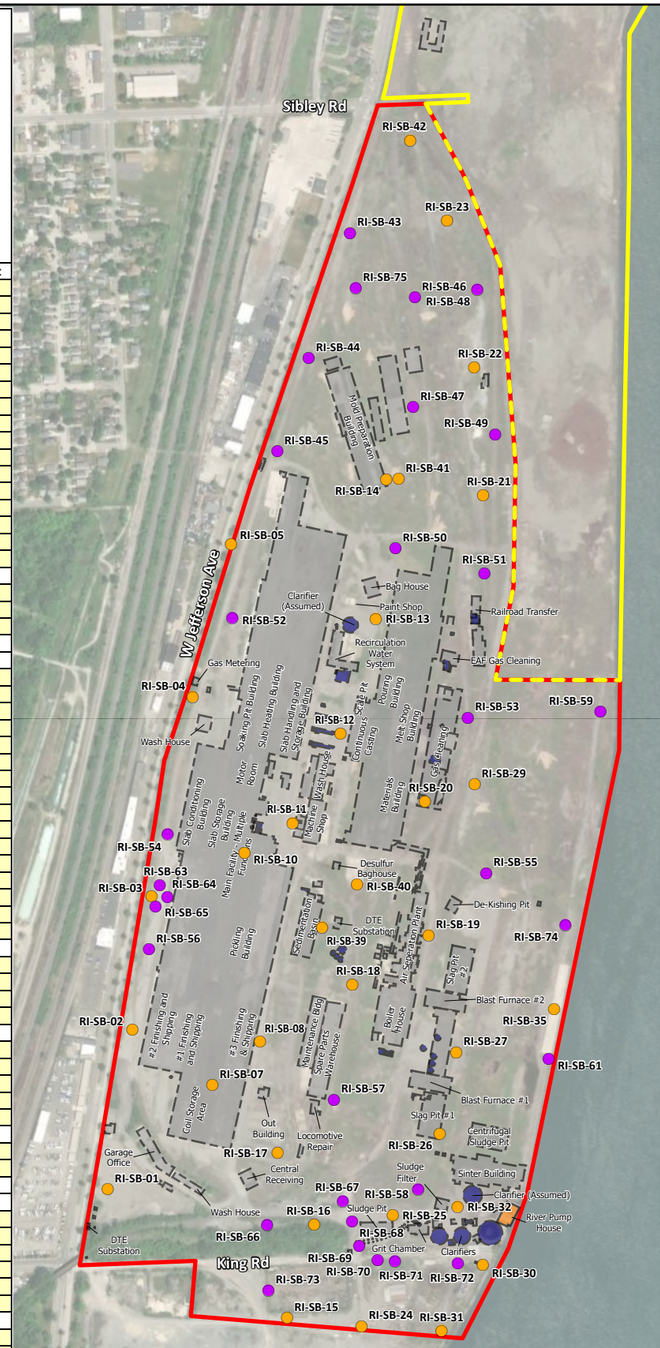
0 700 1,400 Feet

NAD 1983 StatePlane Michigan South FIPS 2113 Feet

- Year 1 Soil Boring
- Year 2 Soil Boring
- Current Structure
- Former Structure
- Former Tanks & Silos
- McLouth Steel Corp. Superfund Site
- RTRR Property Site

Figure 8
Distribution of Pesticides
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

Location	Depth	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin Result	Octachlorodibenzo-P-Dioxin Result	1,2,3,4,6,7,8-Heptachlorodibenzofuran Result	Octachlorodibenzofuran Result
RI-SB-01	0-0.5	8.01	39.9	8.07	4.17 J
	1-2	68.6	242	124	43.8
	4-5	19.1	252	24.2	11.6
RI-SB-02	0-0.5	94.7	365	183	58.4
	1-2	127	528	492	226
	4-5	321	6420	1360	635
RI-SB-04	0-0.5	20.5	136	24	11.7
	1-2	41.5	157	52.9	17.8
	5-6	88	735	688	347
RI-SB-07	0-0.5	1540	2480	2670	262
	1-2	278	401	961	79.1
	4-5	219	619	469	183
RI-SB-08	0-0.5	165	1070	121	299
	1-2	338	3610	124	263
	4-5	105	471	156	68.5
RI-SB-10	0-0.5	81.2	550	5.58 J	8.22 J
	1-2	46.8	242	2.45 J	3.27 J
	4-5	127	661	2.96	2.9 J
RI-SB-11	0-0.5	69.1	314	69	53
	1-2	89.3	452	110	69.5
	7-8	141	542	386	207
RI-SB-12	0-0.5	5.75	37.5 J	1.25 U	4.64 U
	1-2	18.5 J	109 J	3.58 UJ	16.7 UJ
	16-17	31.7 J	203 J	2.6 J	5.34 J
RI-SB-13	0-0.5	48.8 J	393 J	12.7 J	12.8 J
	1-2	230	1270	37.6	34.9
	19-20	74.4	980	133	53.4
RI-SB-14	0-0.5	87.9	801	19.3	30.4
	1-2	208	2170	57.2	103
RI-SB-16	0-0.5	42.2	346	14.7	19.5
	1-2	238	1410	165	558
	13-14	289	3190	370	225
RI-SB-23	0-0.5	29.2	174	12.9	20.9 J
	1-2	64.9	317	121	99.1
	17-18	455	1280	3340	1540
RI-SB-25	0-0.5	23.2	179	7.59	11.2
	1-2	77.2	430	14.6	18.8
	17-18	238	791	3950	1650
RI-SB-26	0-0.5	42.1	212	17.1	13
	1-2	6.05	11.6	1.85 J	0.664 J
	2-3	6.99	12.8	8.75	4.66 J
RI-SB-29	0-0.5	368	3150	47.2	140
	1-2	18.3	65.1	16.8	6.6
	4-5	30.3	118	17.2	13.7
RI-SB-30	0-0.5	2.25 J	22.3 J	1.46 J	1.99 U
	1-2	33	388	10.1	18.5
	2-3	63.4	757	15.8	58.2
RI-SB-31	0-0.5	86	553	50.1	68.6
	1-2	73.3	415	35.3	42.8
	4-5	17.3	51.9	5.94	5.16
RI-SB-32	0-0.5	4.79	32.4	1.76 J	1.19 J
	1-2	59.8	149	47.1	7.22
	18-19	192	1380	228	152
RI-SB-35	0-0.5	0.86 J	5.82	0.439 J	0.303 J
	1-2	1.14 J	9.34	0.266 J	0.311 J
	9-10	91.8	504	855	336
RI-SB-39	0-0.5	1400	15300 J	115	428
	1-2	46.9	343	46.2	60.6
	2-3	101	854	42.6	76.9
RI-SB-40	0-0.5	224	1960	57.2	79.2
	1-2	65.7	400	50.3	44.8
	3-4	4.26	15.2	4.15	2.93 J
RI-SB-41	0-0.5	59.2	380	15.1	20.9
	1-2	169	1250	46.4	94
	4-5	23.1	155	104	42.2
RI-SB-42	0-0.5	70.9	539	23.3	28 J
	1-2	60	381	15.9	23.3
	19-20	18.3	80	21.8	18.7



Location	Depth	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin Result	Octachlorodibenzo-P-Dioxin Result	1,2,3,4,6,7,8-Heptachlorodibenzofuran Result	Octachlorodibenzofuran Result
RI-SB-43	0-0.5	640	1900	24	71 J
	1-2	8	21	5.6 U	24 J
RI-SB-44	0-0.5	190	1000	57	92
	1-2	9.7	28	5.6 U	11 R
RI-SB-45	0-0.5	300	2700	35	56
	1-2	10	48	3.2 J	23 J
RI-SB-46	0-0.5	150	1200	38	62
	1-2	200 J	970	1600	650
RI-SB-47	0-0.5	1100	9000	170	430
	1-2	190	2100	910	360
RI-SB-48	0-0.5	24 J	180	28 U	57 U
RI-SB-49	0-0.5	230	2100	49	120
	1-2	12	47	2.4 J	19 J
RI-SB-50	0-0.5	4.3 J	110	5.3 U	11 U
	1-2	2.3 J	57	5.1 U	10 U
RI-SB-51	0-0.5	610	10000	80	210
	1-2	170	1400	61	64
RI-SB-52	0-0.5	120	620	48	43
	1-2	170	740	54	84
RI-SB-53	0-0.5	130	1100	30	63
	1-2	34	99	6.4	15
RI-SB-54	0-0.5	210	1200	230	230
	1-2	130 J	740 J	650	340 J
RI-SB-55	0-0.5	18	150	5.4 J	6.3 J
	1-2	9.2	48	3.2 J	11 U
RI-SB-56	0-0.5	710	690	1000	580
	1-2	750	770	650	380
RI-SB-57	0-0.5	52	350	24	32
	1-2	48	210	46	32
RI-SB-58	0-0.5	26	120	10	7.8 J
	1-2	110	520	340	140
RI-SB-59	0-0.5	6.7	26	2.8 J	11 U
	1-2	12	33	3.8 J	11 R
RI-SB-61	0-0.5	5 J	27	5.9 U	12 U
	1-2	48	220	8.8	10 J
RI-SB-63	0-0.5	180	1700	200	250
	1-2	79	440	390	180
RI-SB-64	0-0.5	93	470	340	140
	1-2	45	370	800	310
RI-SB-65	0-0.5	95	380	690	250
	1-2	89	420	550	310
RI-SB-66	0-0.5	24	110	17	22
	1-2	83 J	360	75 J	240 U
RI-SB-67	0-0.5	21	110	13	10 J
	3-3.5	6	45	2.7 J	11 U
RI-SB-68	0-0.5	55	400	54 U	110 U
	2-3	77	520	100	48
RI-SB-69	0-0.5	8	47	5.4 U	11 U
	1-2	640	7400	150	290
RI-SB-70	0-0.5	91	550	48	61
	1-2	23 J	130	28 U	56 U
RI-SB-71	0-0.5	130	670	57 J	90 J
	1-2	8.4	54	2.7 J	11 U
RI-SB-72	0-0.5	92	320	7.9	8.2 J
	1-2	31	160	9.1	11
RI-SB-73	0-0.5	15	91	4.8 J	9 J
	1-2	54 U	160 U	54 U	110 U
RI-SB-74	0-0.5	25	160	3.8 J	6.7 J
	1-2	56 U	170 U	56 U	110 U
RI-SB-75	4-5	62	84	91	48

Notes:
1. Unit - ug/kg
2. **Identifies results that exceed the listed PAL value**
3. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023, April 2025)

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J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Analyte	Soil PAL
1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	3.15
Octachlorodibenzo-P-Dioxin	3.15
1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.15
Octachlorodibenzofuran	3.15

CDM Smith

N

0 700 1,400 Feet

NAD 1983 StatePlane Michigan South FIPS 2113 Feet

Year 1 Soil Boring
Year 2 Soil Boring

Current Structure
Former Structure
Former Tanks & Silos

McLouth Steel Corp. Superfund Site
RTRR Property Site

Figure 9
Distribution of Dioxin/Furans
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

Location	Analyte	Depth	Arsenic	Cadmium	Chromium	Cobalt	Cyanide	Lead	Manganese	Mercury
RI-SB-01		0-0.5	1.3 J	0.61 U	15 J+	1.4 J+	0.62 U	4.5 R	2300 J+	0.11 U
		1-2	0.97 J	0.38 J	84 J+	0.91 J+	0.63	13 J+	3300 J+	0.11 U
		4-5	5.6 J	0.33 J	25 J+	3 J+	0.55 U	95 J+	930 J+	0.026 J
RI-SB-02		0-0.5	2.4 J	0.69	57 J+	3 J+	0.52 U	40 J+	1600 J+	0.093 U
		1-2	5.6 J	1.9	220 J+	4.8 J+	0.31 J	160 J+	3100 J+	0.09 J
		4-5	6.7 J	19	96 J+	7.6 J+	0.45 J	730 J+	1400 J+	0.34
RI-SB-03		0-0.5	3.4	15	60	4.6	0.55 U	89 J+	1100 J+	0.35
		1-2	6	2.3	130	7.7	0.57 U	100 J+	1300 J+	0.77
		3-4	2.6	0.4 J	44	18	0.59 U	80 J+	260 J+	1.2
RI-SB-04		0-0.5	1.8 J	2	150 J	3.9	0.32 J	45 J+	1800 J+	0.11 U
		1-2	1.9 J	0.39 J	490 J	2.7	0.56 U	15 J+	12000 J+	0.11 U
		5-6	1.3 J	0.66	260 J	4.4	0.56 U	71 J+	710 J+	0.12 U
RI-SB-05		0-0.5	2.7	0.57	560 J-	3.6	9.9 J+	380 J+	8300	0.082 J
		1-2	3.4	0.41 J	870 J-	3.1	0.55 U	44 J+	18000	0.079 J
		3-4	5.6	0.23 J	1300 J-	5.6	0.56 U	14 J+	29000	0.021 J
RI-SB-07		0-0.5	4.4	1.4 J-	30	2.2	0.54 U	29 J+	780 J+	0.051 J
		1-2	11	2.2 J-	130	5.4	0.54 U	69 J+	1500 J+	0.05 J
		4-5	10	2.8 J-	180	9.4	0.36 J	240 J+	2800 J+	0.11
RI-SB-08		0-0.5	3.4	0.93 J-	450	2.5	0.6 U	30 J+	22000 J+	0.068 J
		1-2	11	1.9 J-	510	6.9	0.55 U	81 J+	10000 J+	0.15
		4-5	5.7	2.2 J-	200	5.1	0.56 U	66 J+	4900 J+	0.36
RI-SB-08		0-0.5	4.9	1 J-	180	3	0.53 U	59 J+	2700 J+	0.083 J
		1-2	5.1	1 J-	620	3.8	0.53 U	94 J+	13000 J+	0.048 J
		4-5	6.3	0.64 J-	37	4.4	0.52 U	7.7 J+	610 J+	0.092 U
RI-SB-11		0-0.5	2	1.1 J-	110	1.2	0.66	66 J+	4600 J+	0.034 J
		1-2	1.8	0.92 J-	43	1.1	0.62	18 J+	2600 J+	0.069 J
		7-8	25	1.3 J-	120	14	0.57 U	90 J+	1400 J+	0.26
RI-SB-12		0-0.5	3.9	0.52 U	12 J	2.2	0.53 U	6.9 J+	950 J+	0.1 U
		1-2	4	0.095 J	71 J	1.7	0.55 U	17 J+	1800 J+	0.11 U
		16-17	2.1	0.45 U	13 J	1.3	0.55 U	5.1 J+	900 J+	0.1 U
RI-SB-13		0-0.5	3.5	0.25 J	240 J	3.9	0.54 U	38 J+	5600 J+	0.028 J
		1-2	3	0.3 J	980 J	3.8	0.35 J	31 J+	21000 J+	0.06 J
		19-20	6.7	0.46	120 J	4.7	0.62	310 J+	1400 J+	0.098 J
RI-SB-14		0-0.5	5.6	0.64	1400 J	7.4	0.56 U	120 J+	14000 J+	0.46
		1-2	13	1.7	1500 J	27	3.2	170 J+	9700 J+	1.6
RI-SB-15		0-0.5	2.1 J	0.47 U	96 J+	1.4 J+	0.53 U	9 J+	2400 J	0.097 U
		1-2	0.5 J	0.39 U	13 J+	1 U	0.55 U	4 J+	3700 J	0.1 U
		8-9	9.4 J	0.19 J	13 J+	7.6 J+	0.56 U	6.6 J+	330 J	0.1 U
		23-24	6.5 J	0.17 J	21 J+	8.5 J+	0.61 U	7.5 J+	490 J	0.12 U
		41-42	7.9 J	11	90 J+	7.5 J+	0.59 U	750 J+	1200 J	0.95
RI-SB-16		0-0.5	1.8 J	0.56	85 J	1.4	0.36 J	29 J+	4300 J+	0.1 U
		1-2	12 J	2	1200 J	13	0.58 U	92 J+	13000 J+	0.067 J
		13-14	13 J	24	160 J	10	0.54 J	650 J+	1400 J+	2.9
RI-SB-17		0-0.5	1.4	0.21 J	120	1.3	0.52 U	64 J+	4600	0.023 J
		1-2	2.2	0.14 J	160	2.1	0.54 U	110 J+	4400 J+	0.099 U
		8-9	7.1	8.3	65	5	0.54 U	240 J+	1100 J+	0.084 J
RI-SB-18		0-0.5	6.2 J	0.91	980	6.1	0.52 U	160 J+	9300 J	0.095 U
		1-2	5.1 J	1.4	380	3.7	0.56 U	81 J+	9900 J	0.11
		3-4	6.4 J	2.2	99	5.4	1.4	170 J+	1000 J	0.23
RI-SB-19		0-0.5	11 J	3	180 J+	7.2	0.54 U	110 J+	4600 J	0.11 U
		1-2	9.9 J	10	220 J+	7.5	1.9	400 J+	4000 J	0.28
		6-7	6.8 J	2.2	40 J+	5.7	1.3	110 J+	620 J	0.18

Location	Analyte	Depth	Arsenic	Cadmium	Chromium	Cobalt	Cyanide	Lead	Manganese	Mercury
RI-SB-20		0-0.5	8.6 J	2.8	280	4.8	0.56 U	260 J+	11000 J	0.5
		1-2	14 J	3	260	7.7	0.59 U	120 J+	9800 J	0.12 U
		5-6	10 J	0.8	87	5.2	0.59 U	130 J+	1800 J	0.076 J
RI-SB-21		0-0.5	0.86	0.21 J	530 J-	0.88	0.55 U	41 J+	14000	0.036 J
		1-2	3.6	0.37 J	2500 J-	6	0.58 U	24 J+	35000	0.1 U
		9-10	2.4	0.53 U	1300 J-	2.5	0.54 U	9.9 J+	22000	0.096 U
RI-SB-22		0-0.5	2.7	0.26 J	850 J-	3.7	0.56 U	45 J+	15000	0.097 J
		1-2	3.5	0.36 J	1100 J-	4.2	0.57 U	57 J+	31000	0.11
		15-15.5	2.4	0.18 J	1700 J-	2.3	9.6 J+	25 J+	34000	0.039 J
RI-SB-23		0-0.5	2.6 J	0.21 J	1000 J	3	0.64	24 J+	31000 J+	0.023 J
		1-2	5.5 J	1.5	380 J	8.2	0.52 U	80 J+	4100 J+	0.1 U
		17-18	16 J	3	180 J	9.3	0.78 U	300 J+	860 J+	0.27
RI-SB-24		0-0.5	1.8 J	0.46 J	270 J	1.4	0.4 J	52 J+	11000 J+	0.1 U
		1-2	0.5 J	0.49 U	11 J	0.27 J	0.55 U	1.9 J+	3000 J+	0.1 U
		9-10	5.3 J	1.1	83 J	5	0.47 J	120 J+	1700 J+	0.071 J
RI-SB-25		0-0.5	2.2 J	0.6	71 J	1.6	0.44 J	55 J+	2800 J+	0.1 U
		1-2	1.7 J	0.89	150 J	1.2	0.29 J	56 J+	5800 J+	0.11 U
		17-18	36 J	1	620 J	37	8.1	83 J+	3100 J+	0.29
RI-SB-26		0-0.5	4	1.1	64	2.6	0.34 J	77 J+	2000 J+	0.051 J
		1-2	2.8	0.15 J	63	3.8	0.52 U	3.2 J+	3000 J+	0.093 U
		2-3	1.8	0.11 J	33	2.6	0.53 U	2.9 J+	1500 J+	0.1 U
RI-SB-27		0-0.5	5.8 J	3.3	390	5.5	0.34 J	300 J+	4600 J	0.094 U
		1-2	7.2 J	5.7	770	6	0.57	450 J+	12000 J	0.13
		4-5	3.9 J	1.3	95	3.9	0.51 J	81 J+	960 J	0.097
RI-SB-29		0-0.5	6.7	2.1	580 J	5.9	0.28 J	170 J+	9500 J+	0.17
		1-2	5.5	0.9	660 J	2.8	0.56 U	68 J+	22000 J+	0.035 J
		14-15	17	2.6	140 J	14	0.55 U	200 J+	5200 J+	0.11
RI-SB-30		0-0.5	4.2 J	0.27 J	11	5.5	0.24 J	6.5 J+	300 J+	0.018 J
		1-2	1.9 J	0.54	47	1.2	0.39 J	26 J+	3000 J+	0.04 J
		2-3	2.5 J	0.72	120	2.1	0.43 J	32 J+	7800 J+	0.047 J
RI-SB-31		0-0.5	7 J	1	410	2.4	0.56	66 J+	9800 J+	0.13
		1-2	2 J	0.65	320	1.1	0.64	32 J+	7400 J+	0.063 J
		4-5	0.71 J	0.49	11	0.38 J	0.29 J	6.5 J+	2500 J+	0.11 U
RI-SB-32		0-0.5	2.6	0.35 J	37	1.9	0.32 J	14 J+	1900 J+	0.13
		1-2	5.2	0.64	59	3.5	0.56 U	1500 J+	2300 J+	0.063 J
		17-18	6.2	11	79	7.5	0.65 U	110 J+	360 J+	2.1
RI-SB-35		0-0.5	0.72	0.47 U	1100	1	0.56 U	1.9 J+	21000 J+	0.1 U
		1-2	0.6	0.42 U	1100	0.8	0.56 U	1.1 J+	13000 J+	0.11 U
		9-10	13	1.7	150	7.6	0.31 J	470 J+	1600 J+	0.15
RI-SB-39		0-0.5	9.6	1.8 J-	1100	6	0.54 U	360 J+	18000 J+	0.44
		1-2	15	2.5 J-	280	8.9	0.53 U	230 J+	3800 J+	0.24
		2-3	14	2.6 J-	220	7.1	0.5 U	190 J+	3800 J+	0.21
RI-SB-40		0-0.5	8.4	3.9 J-	380	7.6	0.91	270 J+	7700 J+	0.15
		1-2	7.8	2.7 J-	72	7	0.58 U	120 J+	1100 J+	0.16
		3-4	15	1 J-	11	6.1	1.6	18 J+	290 J+	0.34
RI-SB-41		0-0.5	6.7	0.77	1000 J	9	0.52 U	83 J+	9400 J+	0.098 J
		1-2	36	0.68	17000 J	96	0.45 J	110 J+	9900 J+	0.12
		4-5	5.8	0.28 J	69 J	3.9	0.28 J	66 J+	1300 J+	0.13
RI-SB-42		0-0.5	8 J	1.4	1200 J	9	0.39 J	140 J+	19000 J+	0.15
		1-2	4.8 J	1.1	1100 J	7.8	1.4	86 J+	22000 J+	0.086 J
		19-20	5.3 J	0.26 J	120 J	3.5	1.3	21 J+	3700 J+	0.12 U

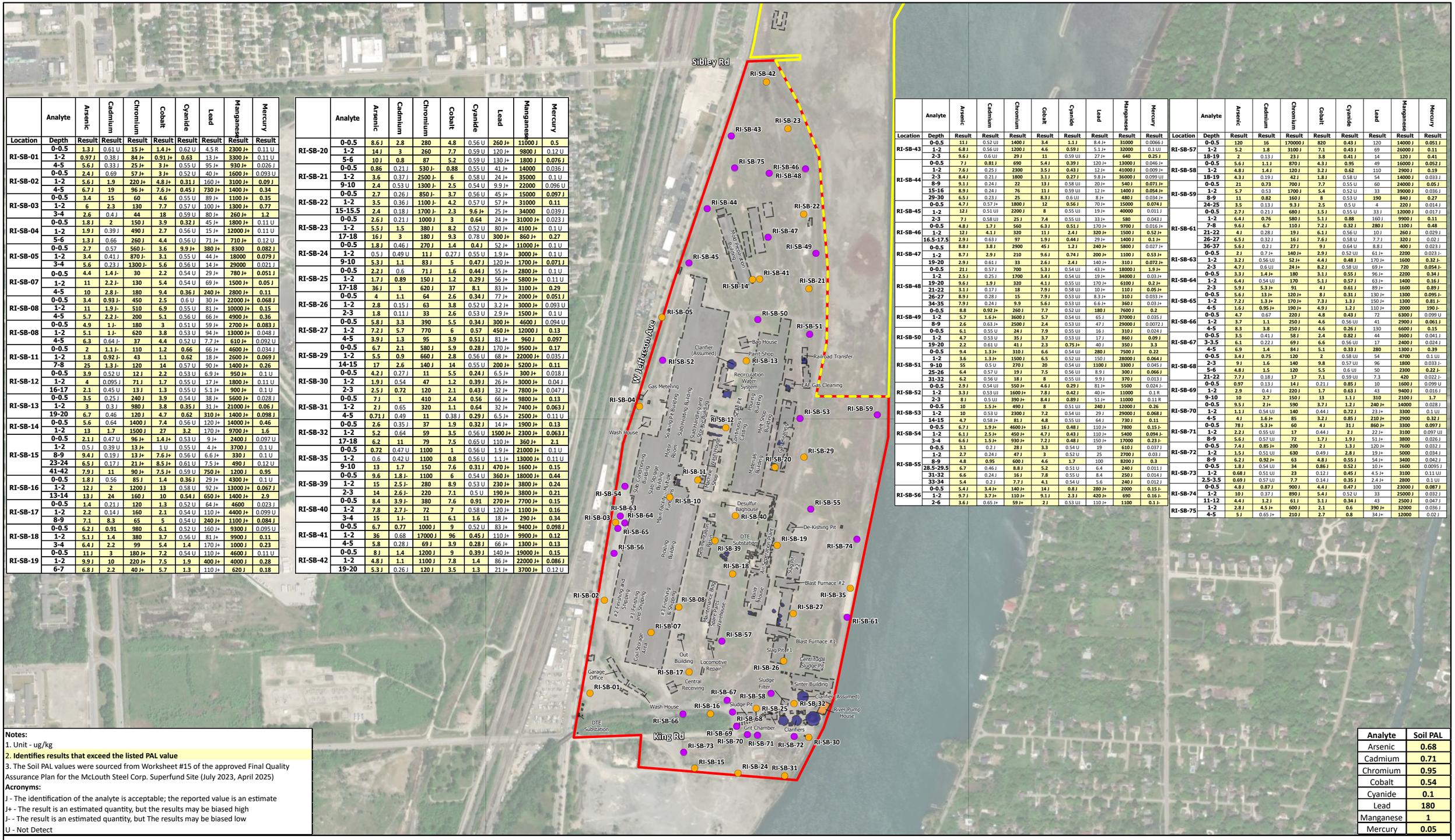
Location	Analyte	Depth	Arsenic	Cadmium	Chromium	Cobalt	Cyanide	Lead	Manganese	Mercury
RI-SB-43		0-0.5	11 J	0.52 UJ	1400 J	3.4	1.1 J	8.4 J+	31000	0.0066 J
		1-2	6.8 J	0.56 UJ	1200 J	4.6	0.59 J	5.1 J+	32000	0.1 UJ
		2-3	9.6 J	0.6 UJ	29 J	11	0.59 UJ	27 J+	640	0.25 J
RI-SB-44		0-0.5	7 J	0.81 J	690	5.4 J	0.39 J	120 J+	13000 J	0.046 J+
		1-2	7.6 J	0.25 J	2300	3.5 J	0.43 J	12 J+	41000 J	0.009 J+
		2-3	8.4 J	0.21 J	1800	3.1 J	0.27 J	9.8 J+	36000 J	0.099 UJ
		8-9	9.1 J	0.24 J	22	13 J	0.58 UJ	20 J+	540 J	0.071 J+
		15-16	8.9 J	0.24 J	76	11 J	0.59 UJ	12 J+	1400 J	0.054 J+
		29-30	6.5 J	0.23 J	25	8.3 J	0.6 UJ	8 J+	480 J	0.034 J+
RI-SB-45		0-0.5	4.7 J	0.57 J+	1800 J	12	0.56 J	70 J+	15000	0.074 J
		1-2	12 J	0.51 UJ	2200 J	8	0.55 UJ	19 J+	40000	0.011 J
		2-3	7 J	0.58 UJ	25 J	7.4	0.55 UJ	33 J+	580	0.043 J
RI-SB-46		0-0.5	4.8 J	1.7 J	560	6.3 J	0.51 J	170 J+	9700 J	0.016 J+
		1-2	12 J	4.1 J	320	11 J	2.4 J	320 J+	1500 J	0.52 J+
		16.5-17.5	2.9 J	0.63 J	97	1.9 J	0.44 J	29 J+	1400 J	0.1 J+
RI-SB-47		0-0.5	8.8 J	3.8 J	2900	45 J	1.2 J	240 J+	5800 J	0.027 J+
		1-2	8.7 J	2.9 J	210	9.6 J	0.74 J	200 J+	1100 J	0.53 J+
		19-20	2.9 J	0.61 J	33	2.6 J	2.4 J	140 J+	310 J	0.072 J+
RI-SB-48		0-0.5	21 J	0.57 J	700	5.3 J	0.54 UJ	43 J+	18000 J	1.9 J+
		1-2	2.5 J	0.25 J	1700	3.4 J	0.54 UJ	19 J+	34000 J	0.03 J+
		19-20	9.6 J	1.9 J	320	4.1 J	0.55 UJ	170 J+	6100 J	0.2 J+
		21-22	3.1 J	0.17 J	18	7.9 J	0.58 UJ	10 J+	110 J	0.05 J+
		26-27	8.9 J	0.28 J	15	7.9 J	0.53 UJ	8.3 J+	310 J	0.033 J+
		34-35	7.9 J	0.24 J	9.9	5.6 J	0.53 UJ	6.6 J+	360 J	0.03 J+
RI-SB-49		0-0.5	8.8	0.92 J+	260 J	7.7	0.52 UJ	180 J	7600 J	0.2
		1-2	5.7	1.6 J+	3600 J	5.7	0.54 UJ	65 J	37000 J	0.035 J
		8-9	2.6	0.63 J+	2500 J	2.4	0.53 UJ	47 J	29000 J	0.0072 J
RI-SB-50		0-0.5	6.1	0.55 U	24 J	7.9	0.55 UJ	16 J	310 J	0.024 J
		1-2	4.7	0.53 U	35 J	3.7	0.53 UJ	17 J	860 J	0.09 J
		19-20	2.2	0.61 U	41 J	2.3	0.75 J+	40 J	350 J	3.3
RI-SB-51		0-0.5	9.4	1.3 J+	310 J	6.6	0.54 UJ	280 J	7500 J	0.22
		1-2	3.6	1.3 J+	1500 J	6.5	0.52 UJ	150 J	28000 J	0.064 J
		9-10	55	0.5 U	270 J	20	0.54 UJ	1100 J	3300 J	0.045 J
		25-26	6.4	0.57 U	19 J	7.5	0.56 UJ	8.9 J	300 J	0.066 J
		31-32	6.2	0.56 U	18 J	8	0.55 UJ	9.9 J	370 J	0.013 J
RI-SB-52		0-0.5	2.9 J	0.54 UJ	550 J+	4.6 J	0.29 J	81 J+	5500	0.024 J-
		1-2	3.3 J	0.53 UJ	1600 J+	7.8 J	0.42 J	40 J+	11000	0.1 R
		2-3	8 J	0.5 UJ	390 J+	8.4 J	0.89 J	51 J+	11000	0.11 R
RI-SB-53		0-0.5	10	1.5 J+	490 J	8	0.51 UJ	240 J	12000 J	0.26
		1-2	10	0.53 U	2300 J	7.2	0.54 UJ	29 J	29000 J	0.068 J
		14-15	4.7	0.58 J+	81 J	4.8	0.55 UJ	64 J	730 J	0.11
RI-SB-54		0-0.5	6.7 J	1.9 J+	4600 J+	16 J	0.48 J	110 J+	7800	0.15 J-
		1-2	6.1 J	2.5 J+	450 J+	4.7 J	0.43 J	110 J+	5400	0.094 J-
		3-4	6.6 J	1.5 J+	930 J+	7.2 J	0.48 J	150 J+	17000	0.23 J-
RI-SB-55		0-0.5	3.1	0.2 J	28 J	3.3	0.54 U	19	610 J	0.037 J
		1-2	2.7	0.24 J	47 J	3	0.52 U	25	2700 J	0.03 J
		8-9	4.8	0.95	600 J	4.6	1.7	100	8200 J	0.3
		28.5-29.5	6.7	0.46 J	8.8 J	5.2	0.51 U	6.4	240 J	0.011 J
		31-32	6.6	0.24 J	16 J	7.8	0.55 U	8.4	250 J	0.014 J
		33-34	5.4	0.2 J	7.7 J	4.1	0.54 U	5.6	240 J	0.012 J
RI-SB-56		0-0.5	5.4 J	3.4 J+	140 J+	14 J	0.8 J	280 J+	2000	0.15 J-
		1-2	9.7 J	3.7 J+	110 J+	9.1 J	2.3 J	420 J+	690	0.16 J-
		2-6	3.6 J	0.65 J+	59 J+	2 J	0.53 UJ	110 J+	1100	0.1 J-

Location	Analyte	Depth	Arsenic	Cadmium	Chromium	Cobalt	Cyanide	Lead	Manganese	Mercury
RI-SB-57		0-0.5	120	16	170000 J	820	0.43 J	120	14000 J	0.051 J
		1-2	5.2	1.8	3100 J	7.1	0.43 J	69	26000 J	0.11
		18-19	2	0.13 J	23 J	3.8	0.41 J	14	120 J	0.41
RI-SB-58		0-0.5	5.6 J	1.1 J	870 J	4.3 J	0.95	49	16000 J	0.052 J
		1-2	4.8 J	1.4 J	120 J	3.2 J	0.62	110	2900 J	0.19
		18-19	4.3 J	0.19 J	42 J	1.8 J	0.58 U	54	14000 J	0.033 J
RI-SB-59		0-0.5	21	0.73	700 J	7.7	0.55 U	60	24000 J	0.05 J
		1-2	5.7	0.53	1700 J	5.4	0.52 U	33	39000 J	0.036 J
		8-9	11	0.82	160 J	8	0.53 U	190	840 J	0.27
		24-25	3.5	0.13 J	9.3 J	2.5	0.5 U	4	220 J	0.014 J
RI-SB-61		0-0.5	2.7 J	0.21 J	680 J	1.5 J	0.55 U	33 J	12000 J	0.017 J
		1-2	6.4 J	0.76	580 J	5.1 J	0.88	160 J	9900 J	0.11
		7-8	9.6 J	6.7	110 J	7.2 J	0.32 J	280 J	1100 J	0.48
		21-22	4 J	0.28 J	19 J	6.1 J	0.56 U	10 J	260 J	0.029 J
		26-27	6.5 J	0.32 J	16 J	7.6 J	0.58 U	7.7 J	320 J	0.02 J
		36-37	5.6 J	0.2 J	27 J	9 J	0.64 U	8.8 J	400 J	0.023 J
RI-SB-63		0-0.5	2 J	0.7 J+	140 J+	2.9 J	0.52 UJ	61 J+	2200	0.023 J-
		1-2	3.2 J	0.56 UJ	52 J+	4.4 J	0.48 J	170 J+	1600	0.32 J-
		2-3	4.7 J	0.6 UJ	24 J+	8.2 J	0.58 UJ	69 J+	720	0.054 J-
RI-SB-64		0-0.5	3.3 J	1.4 J+	180	3.1 J	0.55 J	96 J+	2200	0.34 J
		1-2	6.4 J	0.54 UJ	170	5.1 J	0.57 J	63 J+	1400	0.16 J
		2-3	5.9 J	5.3 J+	91	4 J	0.61 J	89 J+	1600	0.89 J
RI-SB-65		0-0.5	5.6 J	13 J+	120 J+	8 J	0.31 J	130 J+	1300	0.095 J-
		1-2	7.2 J	1.3 J+	170 J+	7.3 J	1.3 J	150 J+	1300	0.81 J-
		4-5	1.6 J	0.95 J+	190 J+	4.9 J	1.2 J	110 J+	2000	190 J-
RI-SB-66		0-0.5	4.7	0.67	220 J	4.8	0.43 J	72	6300 J	0.099 U
		1-2	3.7	1.1	250 J	4.6	0.56 UJ	41	2900 J	0.061 J
		4-5	8.3	3.8	250 J	4.6	0.26 J	130	6600 J	0.15
RI-SB-67		0-0.5	3.5	0.41 J	58 J	2.4	0.82 J	44	3600 J	0.041 J
		3-3.5	6.1	0.22 J	69 J	6.6	0.56 UJ	17	2400 J	0.024 J
RI-SB-68		4-5	6.9	1.4	84 J	5.1	0.33 J	280	1300 J	0.39
		0-0.5	3.4 J	0.75	120	2	0.58 UJ	54	4700	0.1 UJ
		2-3	9 J	1.6	140	9.8	0.57 UJ	96	1800	0.033 J-
		5-6	4.8 J	1.5	120	5.5	0.6 UJ	50	2300	0.22 J-
RI-SB-69		21-22	7.7 J	0.18 J	17	7.1	0.59 UJ	7.3	420	0.022 J-
		0-0.5	0.97	0.13 J	14 J	0.21 J	0.85 J	10	1600 J	0.099 U
		1-2	2.9	0.4 J	220 J	1.7	0.63 J	43	9400 J	0.016 J
RI-SB-70		9-10	10	2.7	150 J	13	1.1 J	310	2100 J	1.7
		0-0.5	9.5 J	2 J+	590	3.7 J	1.2 J	240 J+	14000	0.028 J
		1-2	1.1 J	0.54 UJ	140	0.44 J	0.72 J	23 J+	3300	0.1 UJ
RI-SB-71		4-5	4 J	1.6 J+	85	3.2 J	0.85 J	210 J+	2900	0.32 J
		0-0.5	78 J	5.3 J+	60	4 J	31 J	860 J+	3300	0.097 J
		1-2	2.2 J	0.55 UJ	17	0.44 J	2 J	22 J+	3100	0.097 UJ
RI-SB-72		8-9	5.6 J	0.57 UJ	72	1.7 J	1.9 J	51 J+	3800	0.026 J
		0-0.5	7.4 J	0.85 J+	200	2 J	1.3 J	120 J+	7600	0.032 J
		1-2	1.5 J	0.51 UJ	630	0.49 J	2.8 J	19 J+	5000	0.034 J
RI-SB-73		8-9	6.2 J	0.92 J+	63	4.8 J	0.55 J	54 J+	3400	0.042 J
		11-12	4.4 J	1.2 J	61 J	3.1 J	0.34 J	43	2500 J	0.047 J
		1-2	2.8 J	4.5 J+	600 J	2.1	0.6	390 J+	32000	0.036 J
RI-SB-74		0-0.5	4.8 J	0.87 J	900 J	4.4 J	0.47 J	100	23000 J	0.087 J
		1-2	10 J	0.37 J	890 J	5.4 J	0.52 U	33	25000 J	0.032 J
		4-5	5 J	0.65 J+	210 J	2.7	0.8	34 J+	12000	0.02 J
RI-SB-75		0-0.5	120	16	170000 J	820	0.43 J	120	14000 J	0.051 J
		1-2	5.2	1.8	3100 J	7.1	0.43 J	69	26000 J	0.11
		18-19	2	0.13 J	23 J	3.8	0.41 J	14	120 J	0.41

Notes:
1. Unit - ug/kg
2. **Identifies results that exceed the listed PAL value**
3. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023, April 2025)

Acronyms:
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detect

Analyte	Soil PAL
Arsenic	0.68
Cadmium	0.71
Chromium	0.95
Cobalt	0.54
Cyanide	0.1
Lead	180
Manganese	1
Mercury	0.05



Year 1 Soil Boring
Year 2 Soil Boring

Current Structure
Former Structure
Former Tanks & Silos

McLouth Steel Corp. Superfund Site
RTRR Property Site

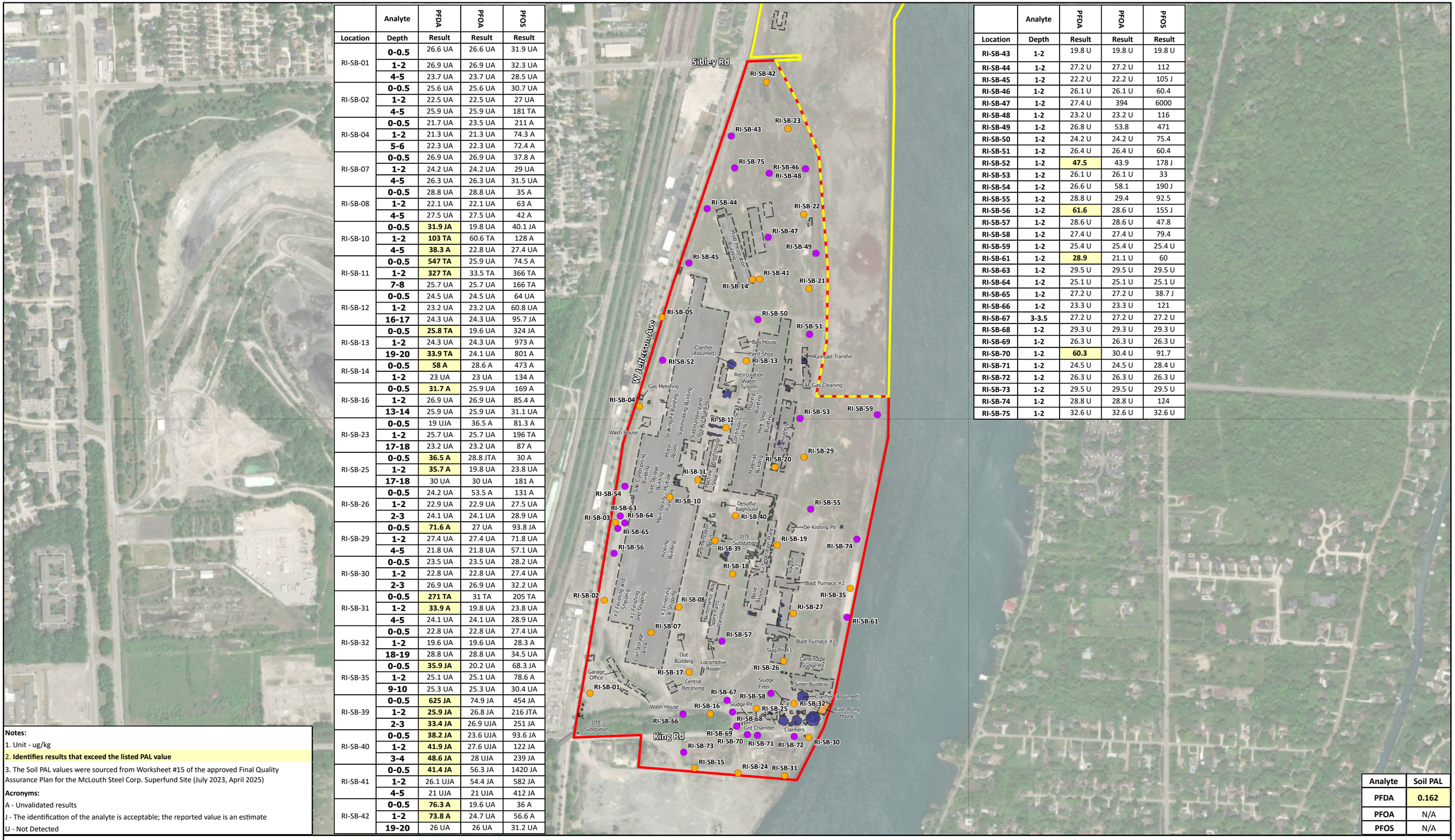
CDM Smith

N

0 700 1,400 Feet

NAD 1983 StatePlane Michigan South FIPS 2113 Feet

Figure 10
Distribution of Inorganics
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan



	Analyte	PFDA	PFOA	PFOS
Location	Depth	Result	Result	Result
RI-SB-01	0-0.5	26.6 UA	26.6 UA	31.9 UA
	1-2	26.9 UA	26.9 UA	32.3 UA
	4-5	23.7 UA	23.7 UA	28.5 UA
RI-SB-02	0-0.5	25.6 UA	25.6 UA	30.7 UA
	1-2	22.5 UA	22.5 UA	27 UA
	4-5	25.9 UA	25.9 UA	181 TA
RI-SB-04	0-0.5	21.7 UA	23.5 UA	211 A
	1-2	21.3 UA	21.3 UA	74.3 A
	5-6	22.3 UA	22.3 UA	72.4 A
RI-SB-07	0-0.5	26.9 UA	26.9 UA	37.8 A
	1-2	24.2 UA	24.2 UA	29 UA
	4-5	26.3 UA	26.3 UA	31.5 UA
RI-SB-08	0-0.5	28.8 UA	28.8 UA	35 A
	1-2	22.1 UA	22.1 UA	63 A
	4-5	27.5 UA	27.5 UA	42 A
RI-SB-10	0-0.5	31.9 JA	19.8 UA	40.1 JA
	1-2	103 TA	60.6 TA	128 A
	4-5	38.3 A	22.8 UA	27.4 UA
RI-SB-11	0-0.5	547 TA	25.9 UA	74.5 A
	1-2	327 TA	33.5 TA	366 TA
	7-8	25.7 UA	25.7 UA	166 TA
RI-SB-12	0-0.5	24.5 UA	24.5 UA	64 UA
	1-2	23.2 UA	23.2 UA	60.8 UA
	16-17	24.3 UA	24.3 UA	95.7 JA
RI-SB-13	0-0.5	25.8 TA	19.6 UA	324 JA
	1-2	24.3 UA	24.3 UA	973 A
	19-20	33.9 TA	24.1 UA	801 A
RI-SB-14	0-0.5	58 A	28.6 A	473 A
	1-2	23 UA	23 UA	134 A
RI-SB-16	0-0.5	31.7 A	25.9 UA	169 A
	1-2	26.9 UA	26.9 UA	85.4 A
	13-14	25.9 UA	25.9 UA	31.1 UA
RI-SB-23	0-0.5	19 UJA	36.5 A	81.3 A
	1-2	25.7 UA	25.7 UA	196 TA
	17-18	23.2 UA	23.2 UA	87 A
RI-SB-25	0-0.5	36.5 A	28.8 JTA	30 A
	1-2	35.7 A	19.8 UA	23.8 UA
	17-18	30 UA	30 UA	181 A
RI-SB-26	0-0.5	24.2 UA	53.5 A	131 A
	1-2	22.9 UA	22.9 UA	27.5 UA
	2-3	24.1 UA	24.1 UA	28.9 UA
RI-SB-29	0-0.5	71.6 A	27 UA	93.8 JA
	1-2	27.4 UA	27.4 UA	71.8 UA
	4-5	21.8 UA	21.8 UA	57.1 UA
RI-SB-30	0-0.5	23.5 UA	23.5 UA	28.2 UA
	1-2	22.8 UA	22.8 UA	27.4 UA
	2-3	26.9 UA	26.9 UA	32.2 UA
RI-SB-31	0-0.5	271 TA	31 TA	205 TA
	1-2	33.9 A	19.8 UA	23.8 UA
	4-5	24.1 UA	24.1 UA	28.9 UA
RI-SB-32	0-0.5	22.8 UA	22.8 UA	27.4 UA
	1-2	19.6 UA	19.6 UA	28.3 A
	18-19	28.8 UA	28.8 UA	34.5 UA
RI-SB-35	0-0.5	35.9 JA	20.2 UA	68.3 JA
	1-2	25.1 UA	25.1 UA	78.6 A
	9-10	25.3 UA	25.3 UA	30.4 UA
RI-SB-39	0-0.5	625 JA	74.9 JA	454 JA
	1-2	25.9 JA	26.8 JA	216 JTA
	2-3	33.4 JA	26.9 UJA	251 JA
RI-SB-40	0-0.5	38.2 JA	23.6 UJA	93.6 JA
	1-2	41.9 JA	27.6 UJA	122 JA
	3-4	48.6 JA	28 UJA	239 JA
RI-SB-41	0-0.5	41.4 JA	56.3 JA	1420 JA
	1-2	26.1 UJA	54.4 JA	582 JA
	4-5	21 UJA	21 UJA	412 JA
RI-SB-42	0-0.5	76.3 A	19.6 UA	36 A
	1-2	73.8 A	24.7 UA	56.6 A
	19-20	26 UA	26 UA	31.2 UA

	Analyte	PFDA	PFOA	PFOS
Location	Depth	Result	Result	Result
RI-SB-43	1-2	19.8 U	19.8 U	19.8 U
RI-SB-44	1-2	27.2 U	27.2 U	112
RI-SB-45	1-2	22.2 U	22.2 U	105 J
RI-SB-46	1-2	26.1 U	26.1 U	60.4
RI-SB-47	1-2	27.4 U	394	6000
RI-SB-48	1-2	23.2 U	23.2 U	116
RI-SB-49	1-2	26.8 U	53.8	471
RI-SB-50	1-2	24.2 U	24.2 U	75.4
RI-SB-51	1-2	26.4 U	26.4 U	60.4
RI-SB-52	1-2	47.5	43.9	178 J
RI-SB-53	1-2	26.1 U	26.1 U	33
RI-SB-54	1-2	26.6 U	58.1	190 J
RI-SB-55	1-2	28.8 U	29.4	92.5
RI-SB-56	1-2	61.6	28.6 U	155 J
RI-SB-57	1-2	28.6 U	28.6 U	47.8
RI-SB-58	1-2	27.4 U	27.4 U	79.4
RI-SB-59	1-2	25.4 U	25.4 U	25.4 U
RI-SB-61	1-2	28.9	21.1 U	60
RI-SB-63	1-2	29.5 U	29.5 U	29.5 U
RI-SB-64	1-2	25.1 U	25.1 U	25.1 U
RI-SB-65	1-2	27.2 U	27.2 U	38.7 J
RI-SB-66	1-2	23.3 U	23.3 U	121
RI-SB-67	3-3.5	27.2 U	27.2 U	27.2 U
RI-SB-68	1-2	29.3 U	29.3 U	29.3 U
RI-SB-69	1-2	26.3 U	26.3 U	26.3 U
RI-SB-70	1-2	60.3	30.4 U	91.7
RI-SB-71	1-2	24.5 U	24.5 U	28.4 U
RI-SB-72	1-2	26.3 U	26.3 U	26.3 U
RI-SB-73	1-2	29.5 U	29.5 U	29.5 U
RI-SB-74	1-2	28.8 U	28.8 U	124
RI-SB-75	1-2	32.6 U	32.6 U	32.6 U

Notes:
1. Unit - ug/kg
2. **Identifies results that exceed the listed PAL value**
3. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023, April 2025)

Acronyms:
A - Unvalidated results
J - The identification of the analyte is acceptable; the reported value is an estimate
U - Not Detected

Analyte	Soil PAL
PFDA	0.162
PFOA	N/A
PFOS	N/A

CDM Smith

N

0 700 1,400 Feet

NAD 1983 StatePlane Michigan South FIPS 2113 Feet

- Year 1 Soil Boring
- Year 2 Soil Boring
- Current Structure
- Former Structure
- Former Tanks & Silos
- McLouth Steel Corp. Superfund Site
- RTRR Property Site

Figure 11
Distribution of PFAS
McLouth Steel Corp Superfund Site
Trenton, Wayne County. Michigan

Attachment A-1

Year 1 Field Documentation (Boring Logs and Equipment Calibration)

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-01**

US EPA

STARTED: 8/28/23 COMPLETED: 8/28/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 241726.27 ft EASTING: 13446583.30 ft
G.S. ELEVATION: 580.72 ft M.P. ELEV: 580.33
INITIAL DTW: 5 ft TOTAL DEPTH: 30.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SW - SM	WELL GRADED SAND WITH SILT AND GRAVEL: Loose, dark gray (10YR 4/1). Sand is well-graded, C-F, subangular to angular. Gravel is poorly-graded, 1/8"-2", subangular to angular. Silt is low plasticity, medium dilantancy	4	1 0.6 0.8 0.4		RI-MW/SB-01 (0-0.5) RI-MW/SB-01 (1-2)
5	SP	▼POORLY GRADED SAND WITH SILT: Loose, black (10YR 2/1) sand is poorly graded, fine, subround to subangular. Silt is low plasticity, medium dilantancy		0.8		RI-MW/SB-01 (4-5)
	CH	FAT CLAY WITH SAND. Brown (10YR 5/3). Color change at 17 ft. moisture content increases at 20 ft. Soft to firm. 27 ft to 30 ft loose weather bedrock transition. Clay is high plasticity, low dilantancy. Sand is well-graded, C-F	4	0.3 0.2 0.3 0.2 0.2		
10			10	0.3 0.3 4 1.7 0.3 0.3 0.2 0.2 0.3 0.2		
20			10	0.2 0.1 0.2 0.2 0.2 0.2 0.3 0.2 0.2		
30		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 3: Medium Bentonite Chips
- 0 - 5: 2-inch, Sch. 40, PVC Casing
- 3 - 12: No. 1 Sand
- 5 - 10: No. 10 Slot, PVC Screen, Mill Slot
- 12 - 30: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-02**

US EPA

STARTED: 8/28/23 COMPLETED: 8/28/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242480.11 ft EASTING: 13446723.85 ft
G.S. ELEVATION: 586.76 ft M.P. ELEV: 589.81
INITIAL DTW: 5 ft TOTAL DEPTH: 30.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SW - SC	WELL GRADED SAND WITH CLAY AND GRAVEL. Loose, very dark grayish brown (10YR 3/2). Sand is well graded, C-F, subangular to angular, gravel is poorly graded 1/8"-2", subangular to subangular, clay is high plasticity, low dilantancy	4.75	0.5		RI-MW/SB-02 (0-0.5)
				0.6		
				0.3		RI-MW/SB-02 (1-2)
				2.5		
5	SP - SM	POORLY GRADED SAND WITH SILT. Metal and wood 4 ft - 6 ft, tar/asphalt oder at 5 ft. Loose, black (10YR 2/1), sand is poorly-graded, fine subround to subangular, silt is low plasticity, medium dilantacy.		2.2		RI-MW/SB-02 (4-5)
			4	12.4		
				2.4		
				0.6		
				0.4		
	CH	SANDY FAT CLAY, firm, black (10YR 2/1) clay is high plasticity, low dilantancy, sand is graded, C-F, subangular to subround		0.4		
10				0		
		FAT CLAY WITH SAND. Firm, brown (10YR 4/3). Clay is high plasticity, low dilantancy, sand is well graded, C-F, subangular to subround		0		
				0		
				0		
				0		
				0		
15	CH		9.83	0		
				0		
				0		
				0		
				0.6		
20				0.3		
		DOLOMITIC LIMESTONE		0		
				0.1		
				0.1		
				0		
25			10	0		
				0		
				0		
				0		
				0		

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 3: Medium Bentonite Chips
- 0 - 5: 2-inch, Sch. 40, PVC Casing
- 3 - 12: No. 1 Sand
- 5 - 10: No. 10 Slot, PVC Screen, Mill Slot
- 12 - 30: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-03**

US EPA

STARTED: 8/18/23 COMPLETED: 8/18/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243088.87 ft EASTING: 13446837.97 ft
G.S. ELEVATION: 586.46 ft M.P. ELEV: 589.52
INITIAL DTW: 2 ft TOTAL DEPTH: 16.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		ASPHALT. Black (10YR 2/1)		0.1		RI-MW/SB-03 (0-0.5)
	GW - GM	WELL GRADED GRAVEL WITH SILT AND SAND. Loose, gray (7.5YR 5/1). Gravel was angular to subangular, well graded, 1/8"-3", sand was subangular to subround, well graded, C-F, silt was low plasticity, medium dilantancy		0.3		RI-MW/SB-03 (1-2)
	SW - SM	WELL GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand was subangular to subround, well graded, C-F, silt was moderate to low plasticity	3.5	0.2		
				0.1		RI-MW/SB-03 (3-4)
5				0.2		
	SC	CLAYEY SAND. Very dark gray (10YR 3/1). Sand was subangular to subround, poorly graded, fine. Clay was high plastisticity, low dilantancy		0.1		
				0.1		
				0.1		
		FAT CLAY WITH SAND. Grayish brown (10YR 5/2). Boulder stuck in core barrel at 14 ft. Very firm, clay was high plasticity, low dilantancy, sand was subangular, poorly graded, fine	4	0.1		
				0.1		
10				0.3		
	CH			0.3		
				0.4		
			7	0.3		
				0.4		
15				0.1		
				0.2		
		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 3: Medium Bentonite Chips
- 0 - 5: 2-inch, Sch. 40 PVC Casing
- 3 - 16.5: No. 1 Sand
- 5 - 15: No. 10 Slot, PVC Screen, Mill Slot

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-04**

US EPA

STARTED: 8/29/23 COMPLETED: 8/29/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243989.65 ft EASTING: 13447033.49 ft
G.S. ELEVATION: 588.68 ft M.P. ELEV: 591.66
INITIAL DTW: 6 ft TOTAL DEPTH: 21.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			CLAYEY SAND WITH GRAVEL. Metal debris from 0 ft to 2 ft, Medium dense, dark gray (10YR 4/1). Sand was well-graded, C-F, subangular to subround, gravel is well graded, 1/8" - 4", subangular to angular, clay is high plasticity, low dilantancy		0.2		RI-MW/SB-04 (0-0.5)	0 - 2.5: Concrete
					0.3		RI-MW/SB-04 (1-2)	
					0.2			0 - 5: 2-inch, Sch. 40, PVC Casing
					0.2			2.5 - 4: Medium Bentonite Chips
		SC			0.2			
5				6	0.2		RI-MW/SB-04 (5-6)	
					0.3			3 - 12: No. 1 Sand
					0.2			5 - 10: No. 10 Slot, PVC Screen, Mill Slot
					0.2			
					0.2			
10			FAT CLAY WITH SAND. Soft to firm, yellowish brown (10YR 5/4). Clay is high plasticity, low dilantancy, sand is poorly graded, very fine		0.3			
					0.5			
					0.3			
					0.5			
		CH			0.2			
15				8.58	0.2			
					0.3			12 - 21: Medium Bentonite Chips
					0.3			
					1.3			
					0.8			
20					0			
			DOLOMITIC LIMESTONE	1				

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-05**

US EPA

STARTED: 8/16/23 COMPLETED: 8/16/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 244720.42 ft EASTING: 13447247.44 ft
G.S. ELEVATION: 588.88 ft M.P. ELEV: 592.11
INITIAL DTW: 6 ft TOTAL DEPTH: 24.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0	SW - SM	WELL GRADED SAND WITH SILT AND GRAVEL. Loose, black (5YR 2.5/1).Sand was subangular to subround, well-graded, C-F. Gravel was subangular to angular, well-graded, 1/8"-3", silt was low to medium plasticity. Soil from 8 ft - 10 ft bgs was lost	5	16.8	■	RI-MW/SB-05 (0-0.5)	0 - 2: Concrete
				10.6	■	RI-MW/SB-05 (1-2)	
				19			2 - 3: Medium Bentonite Chips
				17.5	■	RI-MW/SB-05 (3-4)	
				14.7			0 - 5: 2-inch, Sch. 40, PVC Casing
5			3	1			
				0.5			3 - 17: No. 1 Sand
				0.5			
10	SC	CLAYEY SAND WITH GRAVEL. Moderately dense, very dark gray (10YR 3/1). Sand was subangular to subround, C-F. Gravel was subangular to angular, well-graded, 1/8"-3". Clay was medium to high plasticity	10	0			5 - 15: No. 10 Slot, PVC Screen, Mill Slot
				0			
	CH	FAT CLAY WITH GRAVEL. Soft to firm to hard, very dark gray (2.5Y 3/1). Clay is high plasticity, low dilantancy. Gravel is subangular to angular, moderately graded, 1/8"-3/4". Sand is subagnular to subround, poorly-graded, fine. Mottled stratified in 1/8"~ intervals, brown and grays. 12'-13' soft, 13'-14' firm, 14'-24' hard		0			
				0			
15				0			
				0			
				0			
				0			
				0			
20			5	0			17 - 25: Medium Bentonite Chips
				0			
				0			
				0			
				0			
		DOLOMITIC LIMESTONE					

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-07**

US EPA

STARTED: 9/14/23 COMPLETED: 9/14/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242222.19 ft EASTING: 13447087.42 ft
G.S. ELEVATION: 589.87 ft M.P. ELEV: 592.66
INITIAL DTW: 6 ft TOTAL DEPTH: 33.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0		SM	Apparent fill: SILTY SAND. Loose, very dark brown (10YR 2/2). Sand is poorly-graded, fine, subangular to subround, silt is low plasticity, medium dilantancy. Silt lenses throughout	5	0.4	■	RI-MW/SB-07 (0-0.5)	0 - 2: Concrete
					0.1	■	RI-MW/SB-07 (1-2)	
					0.8			
					1.8			
					5.9	■	RI-MW/SB-07 (4-5)	2 - 7: Cement/Bentonite Grout
5				5	1			0 - 11: 2-inch, Sch. 40, PVC Casing
					1.1			
					0.4			
					0.4			7 - 9: Medium Bentonite Chips
					0.4			
10				10	0			9 - 23: No. 1 Sand
					0.3			
					1			
					3.5			
					1.4			
15		SP	Apparent fill: POORLY GRADED SAND. Loose, black (10YR 2/1). Sand is fine, poorly-graded, subround to round		0.7			11 - 21: No. 10 Slot, PVC Screen, Mill Slot
					0.6			
					0.8			
					1.3			
					2.5			
20				8	7.8			
		CH	FAT CLAY. Dark gray (10YR 4/1). Medium stiff to very stiff, clay is high plasticity, low dilantancy		1.6			
					2.8			
					6.1			
					2			
25					5			
		CH	FAT CLAY. Medium stiff to very stiff, very dark grayish brown (2.5Y 3/2). Clay is high plasticity, low dilantancy		2.6			
					0.4			
					0.3			23 - 33: Medium Bentonite Chips
					0.2			
30				3	0.2			
					0.1			
					0			

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-07**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			DOLOMITIC LIMESTONE hit at 32 ft and drilling was terminated at 33 ft					
35								
40								
45								
50								
55								
60								
65								

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-08**
US EPA

STARTED: 9/14/23 COMPLETED: 9/14/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242423.84 ft EASTING: 13447308.26 ft
G.S. ELEVATION: 588.69 ft M.P. ELEV: 591.67
INITIAL DTW: 5 ft TOTAL DEPTH: 33.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0				0		RI-MW/SB-08 (0-0.5)
		Apparent fill: WELL GRADED SAND WITH SILT. Very dark gray (10YR 3/1). Wet on top due to drilling. Medium dense, sand is well graded, 1/8" - 3", subangular to angular, silt is low plasticity, medium dilantancy		2.4		RI-MW/SB-08 (1-2)
			5	3.7		
				3.1		
				10.4		RI-MW/SB-08 (4-5)
5		▼		0.9		
				0.7		
			4	0.7		
				0.5		
				1.2		
10	SW - SM			0		
			3	0		
				0		
				0		
				0		
15			7	0.1		
				0.1		
				0		
				0		
				0		
20				0		
		FAT CLAY. Medium stiff to very stiff, gray (2.5Y 5/1). Clay is high plasticity, low dilantancy		0		
				0		
				0		
				0		
				0		
25	CH		10	0		
				0		
				0		
				0		
				0		
30				0		
		DOLOMITIC LIMESTONE	3			

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 6: Cement/Bentonite Grout
- 0 - 10: 2-inch, Sch. 40, PVC Casing
- 6 - 8: Medium Bentonite Chips
- 8 - 22: No. 1 Sand
- 10 - 20: No. 10 Slot, PVC Screen, Mill Slot
- 22 - 33: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-10**

US EPA

STARTED: 9/12/23 COMPLETED: 9/12/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243292.58 ft EASTING: 13447236.88 ft
G.S. ELEVATION: 589.34 ft M.P. ELEV: 592.38
INITIAL DTW: 5 ft TOTAL DEPTH: 20.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		SW - SM	Apparent fill: WELL GRADED SAND WITH SILT. Loose, very dark gray (10YR 3/1). Sand is well-graded, C-F, subangular to subround. Silt is low plasticity, medium dilantancy. Gravel is well-graded, C-F, 1/8"-1"	2.75	0.3		RI-MW/SB-12 (0-0.5)	0 - 1: Concrete
					1.5		RI-MW/SB-12 (1-2)	
					1.5			1 - 3: Medium Bentonite Chips
		ML	Apparent fill: SANDY SILT WITH GRAVEL. Loose, (2.5Y 8/1). Silt is low plasticity, medium dilantancy. Sand is well-graded, C-V.F, angular to subround. Gravel is well-graded, 1/8"-2", subangular to angular.		5			0 - 5: 2-inch, Sch. 40 PVC Casing
					13.9		RI-MW/SB-12 (4-5)	3 - 15: No. 1 Sand
5			Apparent fill: POORLY GRADED SAND WITH SILT. Medium dense, very dark grayish brown (2.5Y 3/2). Sand is subangular to round, poorly-graded, fine. Silt is low dilantancy, medium plasticity.		10.2			
					9.2			
					0			
				3.5	0			
					0			
10		SP - SM			0			5 - 15: No. 10 Slot, PVC Screen, Mill Slot
					0			
					0			
				6	0.5			
					0			
15					0			
			CONCRETE from 16' on. Drilling terminated at 20'	4				

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-11**

US EPA

STARTED: 9/12/23 COMPLETED: 9/12/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243434.91 ft EASTING: 13447458.54 ft
G.S. ELEVATION: 589.08 ft M.P. ELEV: 591.98
INITIAL DTW: 7 ft TOTAL DEPTH: 23.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	SM	Apparent fill, wood and metal found throughout: SILTY SAND. Loose, dark gray (10YR 4/1). Sand is well-graded, C-F, subangular to angular. Silt is low plasticity, medium dilantancy. Gravel is poorly -graded, 1/8"-1"	5	0.4 0.7 6.5 4.4 13		RI-MW/SB-11 (0-0.5) RI-MW/SB-11 (1-2)	0 - 2: Concrete 2 - 4: Medium Bentonite Chips 0 - 6: 2-inch, Sch. 40 PVC Casing
5							4 - 18: No. 1 Sand
	SM	Apparent fill, wood and metal found throughout: SILTY SAND. Medium dense, black (10YR 2/1). Sand is well graded, C-F, subangular to subround. Silt is low plasticity, medium dilantancy	5	7.1 16.9 28.6 24 21.6		RI-MW/SB-11 (7-8)	
10				2			6 - 16: No. 10 Slot, PVC Screen, Mill Slot
				6.3 9.6 15.2 11.4			
15			8	15.6			
	SM	Apparent fill, wood and metal found throughout: SILTY SAND. Medium dense, dark grayish brown (2.5Y 4/2). Sand is well-graded, C-F, subangular to subround. Silt is low plasticity, medium dilantancy		6.5 6.8 4.8 4.2			
20	ML	SILT. Dense, dark gray (10YR 4/1). Silt is low plasticity, medium dilantancy. Trace clay					18 - 23: Medium Bentonite Chips
	CH	FAT CLAY. Medium stiff, grayish brown (2.5Y 5/2). Clay is high plasticity, low dilantancy	3	0.4 0.9 0.5			
		CONCRETE					

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

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MONITORING WELL LOG

PROJECT NO.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-12**

US EPA

STARTED: 9/8/23 COMPLETED: 9/8/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243843.84 ft EASTING: 13447698.19 ft
G.S. ELEVATION: 589.64 ft M.P. ELEV: 592.58
INITIAL DTW: 5 ft TOTAL DEPTH: 20.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		Apparent fill: WELL GRADED SAND WITH SILT AND GRAVEL. Loose, black (2.5Y 2.5/1). Sand is well graded, C-F, subround to subangular. Gravel is poorly graded, small. Silt is low plasticity, medium dilantancy		0		RI-MW/SB-12 (0-0.5)	0 - 2: Concrete
				0		RI-MW/SB-12 (1-2)	
				0.4			0 - 5: 2-inch, Sch. 40 PVC Casing
				0.6			2 - 4: Medium Bentonite Chips
				1.6			4 - 17: No. 1 Sand
5			10	1.1			
				0.5			
				0.3			
				0.3			
				0.1			
10	SW - SM			0			5 - 15: No. 10 Slot, PVC Screen, Mill Slot
				0.7			
				0.7			
				0.3			
				2.6			
15			10	5.7			
				5.4		RI-MW/SB-12 (16-17)	
				4.3			
				2.3			17 - 20: Medium Bentonite Chips
				2.5			
20		Something hard at 20 ft, unable to go through it and drilling was terminated					

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-13**

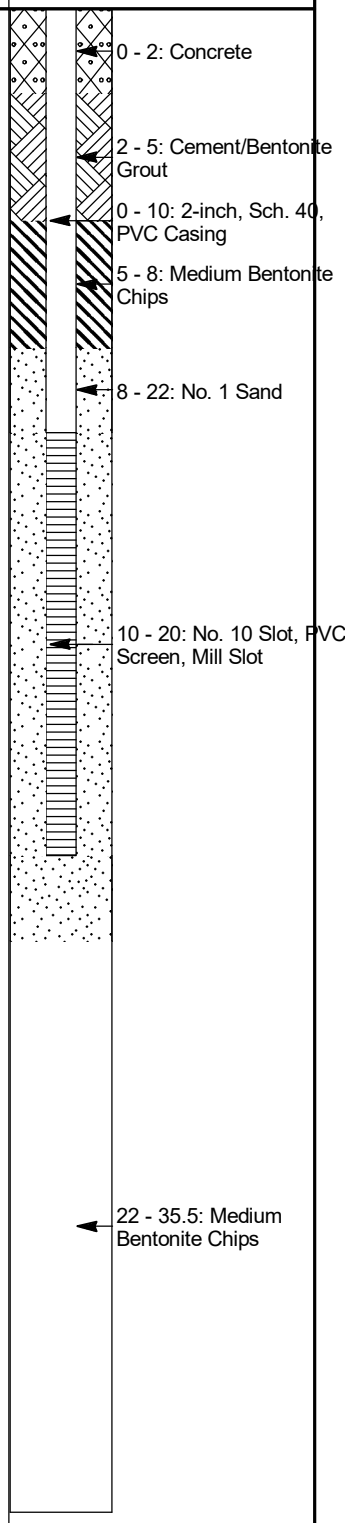
US EPA

STARTED: 9/8/23 COMPLETED: 9/8/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 244377.44 ft EASTING: 13447841.16 ft
G.S. ELEVATION: 589.35 ft M.P. ELEV: 592.18
INITIAL DTW: 10 ft TOTAL DEPTH: 35.5 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0				0	■	RI-MW/SB-13 (0-0.5)
	SM	Apparent fill: SILTY SAND WITH GRAVEL. Loose, sand is well-graded, C-F, subround to subangular. Gravel is well-graded, 1/2"-1.5", subangular to angular. Silt is low plasticity, medium dilantancy		0.1	■	RI-MW/SB-13 (1-2)
			5	0.2		
				4.9		
		CONCRETE		8.9		
5				0.5		
	SM	Apparent fill: SILTY SAND. Loose, light brownish gray (10YR 6/2). Some moisture due to drilling, sand is poorly-graded, fine, subround to subangular. Silt is low plasticity, medium dilantancy. Gravel is well-graded, 1/8"-2", subangular		0.6		
			5	0.2		
	SM			0.3		
	SW	Apparent fill: SILTY SAND. Loose, some moisture due to drilling, black (10YR 2/1). Sand is poorly-graded, fine, subround to subangular. Silt is low plasticity, medium dilantancy. Gravel is well-graded, 1/8"-2", subangular		0.5		
10				2		
	SM	Apparent fill: WELL GRADED SAND. Mix of 10YR 2/1 Black and 10YR 6/2 Light brownish gray. Loose, sand is well-graded, C-F, subround to angular.		1.4		
				1.8		
				2.1		
				3.7		
15		Apparent fill: SILTY SAND WITH GRAVEL. Loose, black (10YR 2/1). Sand is poorly-graded, C-F, subangular to subround. Gravel is well-graded, 1/8"-2", subangular. Silt is low plasticity, medium dilantancy	10	7.3		
				7.3		
				5.8		
	SP - SM	POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine, subround to subangular. Gravel is well graded, 1/8"-1", subangular. Silt is low plasticity, medum dilantancy		5.6		
20				22.7	■	RI-MW/SB-13 (19-20)
				8.2		
				1.3		
				5		
	CH	FAT CLAY. Soft to very stiff, gray (2.5Y 5/1). Clay is high plasticity and low dilantancy		2.3		
25				0.5		
			10	0.3		
				0.2		
				0.3		
	CH	FAT CLAY. Soft to very stiff, grayish brown (2.5Y 5/2). Clay is high plasticity and low dilantancy		0.5		
30				0		
				0		
				0		
		DOLOMITIC LIMESTONE from 32 ft to 35.5 ft	5.5	0		
				0		
35						

WELL CONSTRUCTION (From - To Interval, feet bgs)



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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-15**

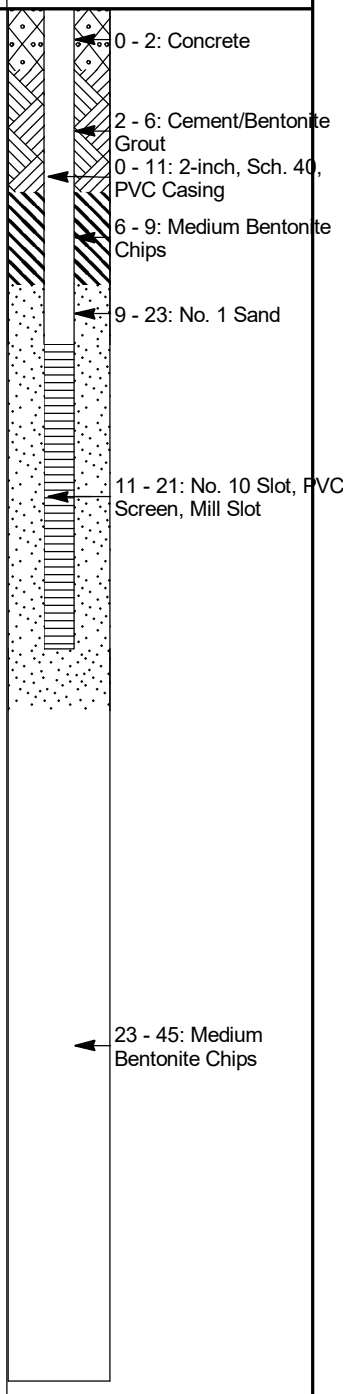
US EPA

STARTED: 8/24/23 COMPLETED: 8/24/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 241112.33 ft EASTING: 13447426.58 ft
G.S. ELEVATION: 584.04 ft M.P. ELEV: 583.72
INITIAL DTW: 10 ft TOTAL DEPTH: 45.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SW - SC	Apparent fill: WELL GRADED SAND WITH CLAY AND GRAVEL. Loose, dark gray (2.5Y 4/1). Top 1 ft wet from rain event, sand is well graded, C-F, subangular to angular. Gravel is poorly graded, 1/8"-2", subangular to angular. Clay is high plasticity, low dilantancy	5	0.2 0.2 0.2 0.3 0.4	■	RI-MW/SB-15 (0-0.5) RI-MW/SB-15 (1-2)
5	SW - SC	Apparent fill: WELL GRADED SAND WITH CLAY AND GRAVEL. Loose, gray (2.5Y 6/1). Top 1 ft wet from rain event, sand is well graded, C-F, subangular to angular. Gravel is poorly graded, 1/8"-2", subangular to angular. Clay is high plasticity, low dilantancy	5	0.5 0.6 3.3 3.6 3	■	RI-MW/SB-15 (8-9)
10	SW - SM	Apparent fill: SILTY SAND WITH GRAVEL. Loose, black (10YR 2/1). Sand is poorly-graded, fine, subround to round. Gravel is well graded, 1/8"-3", subangular. Silt is low plasticity, medium dilantancy	10	0.6 1.1 1.2 1.7 1.6 5.2 4.7 4.1 4.8 16.2		
15	SM	Apparent fill: WELL GRADED SAND WITH SILT AND GRAVEL. Loose, black (10YR 2/1). Sand is well graded, C-F, subangular to subround. Gravel is poorly graded, 1/8"-1/4", subangular to subround. Silt is low plasticity, medium dilantancy				
20		SILTY SAND WITH GRAVEL. Black (10YR 2/1). Sand is poorly-graded, fine, subround. Gravel is poorly graded, 1/8"-1", subangular. Silt is low plasticity, medium dilantancy. Asphalt odor throughout	10	9.1 0.8 0.7 0.8 0.6 0.9 0.9 1.1 1.2 1.4	■	RI-MW/SB-15 (23-24)
25		FAT CLAY. Soft to hard, dark grayish brown (10YR 4/2). Clay is high plasticity, low dilantancy				
30	CH		10	0.3 0.3 0.2 0.3 0.2 0.2 0.2		
35						
40					■	RI-MW/SB-15 (41-42)
45		DOLOMITIC LIMESTOME transition from 42 ft - 45 ft	5			

WELL CONSTRUCTION (From - To Interval, feet bgs)



STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

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MONITORING WELL LOG

PROJECT NO.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-16**

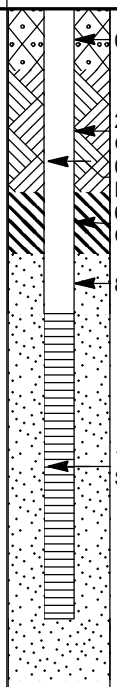
US EPA

STARTED: 9/19/23 COMPLETED: 9/19/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 241584.53 ft EASTING: 13447491.13 ft
G.S. ELEVATION: 589.52 ft M.P. ELEV: 593.37
INITIAL DTW: 10 ft TOTAL DEPTH: 45.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SW - SM	Apparent fill: WELL GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is well graded, C-F, subround to subangular. Silt is low plasticity, medium dilantancy. Gravel is well-graded, 1/8"-3", angular to subangular	4.83	6.2		RI-MW/SB-16 (0-0.5)
				6.5		RI-MW/SB-16 (1-2)
				45		
				17.1		
				11.7		
5	ML	Apparent fill: SANDY SILT. Soft, dark gray (10YR 4/1). Silt is low plasticity, medium dilantancy. Sand is poorly graded, very fine, round.	5	4.2		
				2.5		
				1.7		
				2.7		
				3.4		
10	SP - SM	Apparent fill: POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine, round to subround. Silt is low plasticity, medium dilantancy	10	4.1		
				45.3		
				25.5		
				45.7		RI-MW/SB-16 (13-14)
				10.9		
15				7.1		
				3.8		
				2.6		
				3.5		
				3.4		
20	ML	SILT. Soft, very dark gray (2.5Y 3/1). Silt is low plasticity, medium dilantancy. Sand is poorly graded, fine, round	10	0.5		
				0.6		
				1.7		
				2.5		
				1.3		
25	CH	FAT CLAY WITH SAND. Medium stiff to very stiff, gray (10YR 5/1). Clay is high plasticity, low dilantancy. Sand is poorly graded, course, subangular to subround. Trace silt		1.3		
				0.3		
				0.3		
				0.2		
				0.3		
30			10	0		
				0		
				0		
				0		
				0		
35				0		
				0		
				0		
				0		
				0		
40			5	0		
				0		
				0		
				0		
				0		
45		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)



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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-17**

US EPA

STARTED: 8/17/23 COMPLETED: 8/17/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 241889.23 ft EASTING: 13447402.59 ft
G.S. ELEVATION: 589.42 ft M.P. ELEV: 592.42
INITIAL DTW: 9 ft TOTAL DEPTH: 42.5 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0	SW - SM	WELL GRADED SAND WITH SILT AND GRAVEL. Loose, very dark gray (10YR 3/1). Sand was subangular to angular, well-graded, C-F. Gravel was subangular to angular, well-graded, 1/8"-3". Silt was low to medium plasticity	5	0.4 0.5 0.3 0.2 0.6		RI-MW/SB-17 (0-0.5) RI-MW/SB-17 (1-2)	0 - 2: Concrete 2 - 6: Cement/Bentonite Grout
5	SW - SM	WELL GRADED SAND WITH SILT AND GRAVEL. Loose, gray (10YR 6/1). Sand was subangular to angular, well-graded, C-F. Gravel was subangular to angular, well-graded, 1/8"-3". Silt was low to medium plasticity	5	1 2.3 10 6.7 1.7		RI-MW/SB-17 (8-9)	0 - 10: 2-inch, Sch. 40, PVC Casing 6 - 8: Medium Bentonite Chips 8 - 22: No. 1 Sand
10	SW - SM	WELL GRADED SAND WITH SILT AND GRAVEL. Loose, very dark gray (10YR 3/1). Sand was subangular to angular, well-graded, C-F. Gravel was subangular to angular, well-graded, 1/8"-3". Silt was low to medium plasticity					
10	SP	POORLY GRADED SAND. Loose, black (2.5Y 2.5/1). Sand is subround to round, poorly graded, smells like tar. Transition zone to end at 20 ft with higher clay content	7.5	0.4 1.1 0.5 0.4 1.1 1 2.9 0.4 0.4 0.9			10 - 20: No. 10 Slot, PVC Screen, Mill Slot
20	CH	FAT CLAY WITH GRAVEL. Soft to firm, dark gray (7.5YR 4/1). Clay is high plasticity, low dilantancy. Gravel was subangular to angular, 1/8"-3", well-graded. Sand was subangular, well graded, C-F.	10	0.1 0.1 0.1 0.4 0.1 0.1 0.1 0.1 0.4 0.2			
30	CH		5	0 0.1 0.4 0.1 0.1			22 - 42.5: Medium Bentonite Chips
35	CH		5	0.4 0.3 0.2 0.1			

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

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MONITORING WELL LOG

PROJECT NO.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-17**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		CH		2				
			DOLOMITIC LIMESTONE					
45								
50								
55								
60								
65								
70								
75								
80								

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-18**

US EPA

STARTED: 8/21/23 COMPLETED: 8/21/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242593.39 ft EASTING: 13447752.10 ft
G.S. ELEVATION: 589.11 ft M.P. ELEV: 592.51
INITIAL DTW: 9 ft TOTAL DEPTH: 35.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SM	SILTY SAND WITH GRAVEL. Loose, black (2.5Y 2.5/1). Sand is subangular, well graded, C-F. Gravel is subangular to angular, 1/8"-3", well graded. Silt is low to medium plasticity	5	0.1	■	RI-MW/SB-18 (0-0.5)
				0.2	■	RI-MW/SB-18 (1-2)
				4	■	
	SM	SILTY SAND WITH GRAVEL. Loose, very dark grayish brown (2.5Y 3/2). sand is subangular, well graded, C-F. Gravel is subangular to angular, 1/8"-3", well graded. Silt is low to medium plasticity		1.1	■	RI-MW/SB-18 (3-4)
5				1.2	■	
	SP - SM	POORLY GRADED SAND WITH SILT. Loose, black (5Y 2.5/1). Sand is subangular to subround, poorly graded, fine. Silt is low to medium plasticity	5	1.1		
				1.2		
				1.5		
				0.3		
				0.2		
10	SC	CLAYEY SAND. Very dark gray (2.5Y 3/1). Moderately dense, sand is subangular to angular, well graded, C-F. Clay is high plasticity, low dilantancy	10	0.1		
				0.1		
				0.1		
				0.5		
				0.2		
15				0.1		
				0.2		
				0.2		
				0.3		
				0.9		
20	CH	FAT CLAY WITH SAND. Soft to hard, dark grayish brown (2.5Y 4/2). Clay is high plasticity, low dilantancy. Sand is subangular to subround, well graded, C-F	8	0.7		
				0.2		
				0.1		
				0.1		
				0.1		
25	CH	FAT CLAY WITH SAND. Soft to hard, dark gray (2.5Y 4/1). Clay is high plasticity, low dilantancy. Sand is subangular to subround, well graded, C-F		0.1		
				0.3		
				0.3		
				0.1		
				0.1		
30			5	0.1		
				0.2		
				0.4		
				0.6		
				0.4		
35						

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 4: Cement/Bentonite Grout
- 0 - 8: 2-inch, Sch. 40, PVC Casing
- 4 - 6: Medium Bentonite Chips
- 6 - 20: No. 1 Sand
- 8 - 18: No. 10 Slot, PVC Screen, Mill Slot
- 20 - 35: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-18**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			DOLOMITIC LIMESTONE					
40								
45								
50								
55								
60								
65								
70								
75								

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-19**

US EPA

STARTED: 8/22/23 COMPLETED: 8/22/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242886.90 ft EASTING: 13448098.48 ft
G.S. ELEVATION: 591.24 ft M.P. ELEV: 594.11
INITIAL DTW: 6 ft TOTAL DEPTH: 39.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0		SM	SILTY SAND WITH GRAVEL. Light gray (10YR 7/1). Sand is well graded, C-F, subangular ot angular. Gravel is well graded, 1/8"-1", subangular to angular. Silt is low plasticity and medium dilantancy	5	0.2 5.3 0.2 0.4 0.6	■	RI-MW/SB-19 (0-0.5) RI-MW/SB-19 (1-2)
5		SM	SILTY SAND WITH GRAVEL. Very dark gray (10YR 3/1). Sand is well graded, C-F, subangular ot angular. Gravel is well graded, 1/8"-1", subangular to angular. Silt is low plasticity and medium dilantancy	5	0.4 0.5 0.3 0.2 1.1	■	RI-MW/SB-19 (6-7)
10		SP - SM	POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, very fine, subround to round. Silt is low plasticity and medium dilantancy	10	0.2 0.2 0.4 0.2 0.4 0.1 0.1 0.1 0.1 0.1		
20		CH	SANDY FAT CLAY. Soft, light gray (10YR 7/1). Clay is high plasticity, low dilantancy. Sand is subround to subangular, poorly graded fine. Sand from 7 ft - 27 ft mixed throughout	10	0.4 0.1 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1		
30		SC	CLAYEY SAND. Loose, dark gray (10YR 4/1). Sand is well graded, C-F, subangular to subround. Clay is high plasticity, low dilantancy.	9	0.1 0.1 0.2 0.2 0.3 0.1 0.1 0.3 0.3		
35		CH	FAT CLAY WITH SAND. Firm, dark grayish brown (10YR 4/2). Clay is high plasticity, low dilantancy, sand is well graded, C-F, subangular to subround				
			DOLOMITIC LIMESTONE, weathered. from 36 ft to 39 ft where hard dolomitic limestone was hit				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 11: Cement/Bentonite Grout
- 0 - 17: 2-inch, Sch. 40, PVC Casing
- 11 - 15: Medium Bentonite Chips
- 15 - 29: No. 1 Sand
- 17 - 27: No. 10 Slot, PVC Screen, Mill Slot
- 29 - 40: Medium Bentonite Chips

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

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MONITORING WELL LOG

PROJECT NO.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-20**

US EPA

STARTED: 8/23/23 COMPLETED: 8/23/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243535.99 ft EASTING: 13448109.34 ft
G.S. ELEVATION: 589.25 ft M.P. ELEV: 592.38
INITIAL DTW: 11 ft TOTAL DEPTH: 26.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		SM	SILTY SAND WITH GRAVEL. Dark yellowish brown (10YR 3/4). Sand is subangular to angular, well graded, C-F. Silt is low plasticity, medium dilantancy. Gravel is subangular to angular, C-F, 1/8"-3".	4	0.8		RI-MW/SB-20 (0-0.5)	0 - 2: Concrete
		SM			0.8		RI-MW/SB-20 (1-2)	
		SM			1.5			
		SM	SILTY SAND WITH GRAVEL. Light gray (7.5YR 7/1). Sand is subangular to angular, well graded, C-F. Silt is low plasticity, medium dilantancy. Gravel is subangular to angular, C-F, 1/8"-3".		1.5			
		SM			0.7			
5		SM	SILTY SAND WITH GRAVEL. Yellowish red (5YR 5/8). Sand is subangular to angular, well graded, C-F. Silt is low plasticity, medium dilantancy. Gravel is subangular to angular, C-F, 1/8"-3".	5	55.8		RI-MW/SB-20 (5-6)	2 - 8: Cement/Bentonite Grout
		SC			14			0 - 12: 2-inch, Sch. 40, PVC Casing
		SC			7.5			
		SW	SILTY SAND WITH GRAVEL. Black (10YR 2/1). Sand is subangular to angular, well graded, C-F. Silt is low plasticity, medium dilantancy. Gravel is subangular to angular, C-F, 1/8"-3". Coal encountered at 5 ft		37.5			
		SW			26.5			8 - 10: Medium Bentonite Chips
10		SP	CLAYEY SAND. Light gray (7.5YR 7/1). Sand is subangular to angular, well graded, C-F. Clay is high plasticity, low dilantancy. Gravel is poorly graded, 1/8"-1/2". Strong odor from 6 ft to clay at 23 ft	9	10.3			
		SP			34.2			10 - 12: No. 1 Sand
		SP	WELL GRADED SAND WITH GRAVEL. Loose, dark brown (10YR 3/3). Sand is subangular to subround, well graded, C-F. Gravel is subangular to angular, well graded, 1/8"-2". Silt is low plasticity, medium dilantancy		22.8			
		SP			16.3			
		SP			4.9			
15		SP	POORLY GRADED SAND. Loose, black (10YR 2/1). Sand is subround to round, poorly graded, fine. Gravel is subangular, well graded, 1/8"-3". Silt is low plasticity, medium dilantancy		8.3			
		SP			7.4			
		SP	POORLY GRADED SAND. Loose, black (10YR 2/1). Sand is subround to round, poorly graded, fine. Gravel is subangular, well graded, 1/8"-3". Silt is low plasticity, medium dilantancy		12.2			12 - 22: No. 10 Slot, PVC Screen, Mill Slot
		SP			8			
		SP			4.5			
20		SP	POORLY GRADED SAND. Loose. Sand is subround to round, poorly graded, fine. Gravel is subangular, well graded, 1/8"-3". Silt is low plasticity, medium dilantancy	6	29.7			
		SP			35.8			
		SP			28.1			
		SP	POORLY GRADED SAND. Loose, black (10YR 2/1). Sand is subround to round, poorly graded, fine. Gravel is subangular, well graded, 1/8"-3". Silt is low plasticity, medium dilantancy		3			
		SC			2.1			
25		CH	CLAYEY SAND. Moderate dense, very dark grayish brown (10YR 3/2). Sand is poorly graded, fine, subrounded. Clay is high plasticity, low dilantancy.		1.2			24 - 26: Medium Bentonite Chips
			FAT CLAY WITH SAND. Soft, gray (2.5Y 5/1). Clay is high plasticity, low dilantacy. Sand is well graded, subangular to angular, C-F.					
			DOLOMITIC LIMESTONE					

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-21**
US EPA

STARTED: 8/16/23 COMPLETED: 8/16/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 244941.82 ft EASTING: 13448328.88 ft
G.S. ELEVATION: 589.21 ft M.P. ELEV: 592.43
INITIAL DTW: 10 ft TOTAL DEPTH: 33.0 ft
LOGGED BY: Alex Pedjase
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	GW	WELL GRADED GRAVEL WITH SAND. Loose, black (5Y 2.5/1). Gravel is well graded, angular. Sand is well-graded, subangular.	5	0	■	RI-MW/SB-21 (0-0.5)
				0	■	RI-MW/SB-21 (1-2)
				0		
		WELL GRADED SAND WITH SILT AND GRAVEL. Loose, black (5Y 2.5/1). Sand is well graded, subangular, F-C. Gravel is well graded, F-C, angular. Silt is low plasticity. Minimal organic odor. Boulder at 14 ft, large bricks, debric, massive slag, from 14 ft to 17 ft.		0		
5				0		
	SW - SM		5	0		
				0		
				1		
				0.6	■	RI-MW/SB-21 (9-10)
10		▼	4	0		
				0		
				0		
				0		
15	GW	WELL GRADED GRAVEL WITH SAND. Black (5Y 2.5/1). 17 ft to 21 ft lost to voids and slag obstruction. Continued construction debris	2.83	0		
				0		
				0		
20	SC	CLAYEY SAND WITH GRAVEL. Loose, black (5Y 2.5/1). Organic odor. Sand is well graded, subangular, C-F. Gravel is well graded, C-F, angular. Clay is high plasticity		0.7		
				0.2		
		FAT CLAY. Soft, dark green gray (5GY 4/1). Clay is high plasticity, low dilantancy. Sand is medium to fine, subangular to subround. Gravel is fine, subangular. Firm from 26 ft to 32.5 ft. Dry from 28 ft to 32.5 ft		0.1		
25			9	0		
				0		
	CH			0		
				0		
				0		
30			3	0		
				0		
				0		
		DOLOMITIC LIMESTONE		0		

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 7: Cement/Bentonite Grout
- 0 - 11: 2-inch, Sch. 40, PVC Casing
- 7 - 9: Medium Bentonite Chips
- 9 - 23: No. 1 Sand
- 11 - 21: No. 10 Slot, PVC Screen, Mill Slot
- 23 - 33: Medium Bentonite Chips

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

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MONITORING WELL LOG

PROJECT NO.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-22**

US EPA

STARTED: 8/15/23 COMPLETED: 8/15/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 245528.43 ft EASTING: 13448313.44 ft
G.S. ELEVATION: 590.85 ft M.P. ELEV: 593.86
INITIAL DTW: 16 ft TOTAL DEPTH: 35.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0					0		RI-MW/SB-22 (0-0.5)	
			WELL GRADED SAND WITH GRAVEL. Loose, very dark gray (10YR 3/1). 3" of brown color change. Sand is subangular, well-gradewd, C-F. Gravel is subangular to angular, well-graded, 1/8"-2". Trace silt. Boulder at 7 ft		2.6		RI-MW/SB-22 (1-2)	0 - 2: Concrete
				4.5	1.2			
					0.8			
					0.5			
5		SW			0.9			2 - 9: Cement/Bentonite Grout
					0.1			0 - 13: 2-inch, Sch. 40, PVC Casing
				5	1			
					0.5			
					0.4			9 - 11: Medium Bentonite Chips
10					1.6			
			SILTY SAND WITH GRAVEL. Loose, black (2.5Y 2.5/1). At 12 ft, 6" of change of higher gravel. Sand is subangular, well-graded, C-F. Gravel is subangular to angular, well-graded, 1/8"-2". Silt is moderate to low plasticity. Boulder (4") hit at 17 ft resulting in 3 ft of lost material		1.7			
					1.5			11 - 25: No. 1 Sand
					3.6			
					6.2			
15		SM	▼	6.33	2.7		RI-MW/SB-22 (15-15.5)	
								13 - 23: No. 10 Slot, PVC Screen, Mill Slot
					2.7			
20					0			
			Whole section lost due to boulder. Likely clay transition but no material to know for sure. Gray (2.5Y 5/1).		0			
				2.5				
25		CH						
								25 - 35: Medium Bentonite Chips
30					0			
			FAT CLAY WITH GRAVEL. Soft, gray (2.5Y 5/1). Clay is high plasticity, low dilantancy. Gravel is subangular to angular, moderately graded, 1/8"-3/4". Sand is subangular to subround, poorly-graded, fine.		0			
		CH		5	0			
					0.2			
					0			
35			DOLOMITIC LIMESTONE					

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-23**

US EPA

STARTED: 8/30/23 COMPLETED: 8/30/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 246196.99 ft EASTING: 13448180.27 ft
G.S. ELEVATION: 588.69 ft M.P. ELEV: 591.64
INITIAL DTW: 10 ft TOTAL DEPTH: 33.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SM	Apparent fill: SILTY SAND WITH GRAVEL. Loose, very dark grayish brown (10YR 3/2). Sand is well graded, C-F, subangular to angular. Gravel is well graded, 1/8"-2", angular. Silt is low plasticity, medium dilantancy. Scrap metal throughout		3.5		RI-MW/SB-23 (0-0.5)
				1.8		RI-MW/SB-23 (1-2)
				1.3		
				0.7		
5			8.83	0.6		
				0.2		
				0.2		
				0.5		
	SM	Apparent fill: SILTY SAND WITH GRAVEL. Loose, gray (10YR 6/1). Sand is well graded, C-F, subangular to angular. Gravel is well graded, 1/8"-2", angular. Silt is low plasticity, medium dilantancy. Scrap metal throughout. Fresh wood from 7 ft - 8 ft		1.9		
	SM			1.3		
10				0.2		
	SP - SC	Apparent fill: SILTY SAND WITH GRAVEL. Loose, very dark grayish brown (10YR 3/2). Sand is well graded, C-F, subangular to angular. Gravel is well graded, 1/8"-2", angular. Silt is low plasticity, medium dilantancy. Scrap metal throughout		0.8		
				4		
				12		
				18		
15		Apparent fill: POORLY GRADED SAND WITH CLAY AND GRAVEL. Loose, black (10YR 2/1). Sand is subangular to subround, poorly graded, fine. Gravel is well graded, 1/4" - 3", subangular. Clay is high plasticity, medium dilantancy. Oily apperance and odor of tar or asphalt from 14 ft - 18 ft. Scrap metal throughout	10	18.4		
				14		
				19.5		RI-MW/SB-23 (17-18)
				2		
	ML	SANDY SILT. Soft, very dark brown (10YR 2/2). Silt was low plasticity, medium dilantancy. Sand was very fine, poorly-graded, round. Scrap metal throughout		2.4		
20				0.5		
				0.3		
				0.2		
				0.2		
				0.1		
25			10	0.2		
				0.3		
	CH	FAT CLAY WITH SAND. Soft to firm, brown (10YR 5/3). Clay is high plasticity, low dilantancy. Sand is poorly graded, very fine, round.		0.2		
				0.2		
				0.1		
30				0.2		
			3	0.2		
				0.1		
		DOLOMITIC LIMESTONE				
35						

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 4.5: Cement/Bentonite Grout
- 4.5 - 7.5: Medium Bentonite Chips
- 7.5 - 22: No. 1 Sand
- 0 - 19.5: 2-inch, Sch. 40, PVC Casing
- 9.5 - 19.5: No. 10 Slot, PVC Screen, Mill Slot
- 22 - 33: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-24**

US EPA

STARTED: 8/24/23 COMPLETED: 8/24/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 241078.27 ft EASTING: 13447815.65 ft
G.S. ELEVATION: 585.45 ft M.P. ELEV: 585.25
INITIAL DTW: 10 ft TOTAL DEPTH: 45.0 ft
LOGGED BY: Alex Pedjase
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SM	SILTY SAND WITH GRAVEL. Dense. Sand is well graded, C-F, subangular to angular. Gravel is course to fine, well-graded, 1/4"-2", Silt is low plasticity		0.8		RI-MW/SB-24 (0-0.5)
				0.6		RI-MW/SB-24 (1-2)
				2.5		
				1.2		
5				2.4		
				0.9		
				4.8		
				6.3		
		POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, medium grained, subangular. Gravel is fine, poorly graded, subangular. Silt is low plasticity		11.8		RI-MW/SB-24 (8-9)
				16.4		
10				0.6		
				0.8		
				1.2		
	SP - SM			3.8		
				4.2		
15				3.2		
				6.3		
				1.3		
				0.7		
				1		
20				1.1		
				2.7		
				3.3		
		SILTY SAND. Loose, dark gray (10YR 4/1). Sand is fine grained, poorly graded, subround. Silts and clay are moderate plasticity		0.9		
				0.8		
25						
	SM					
30						
35						
	CH	FAT CLAY. Hard to firm, gray (10YR 5/1). Clay is high plasticity, low dilantancy. Sand is well graded, C-F, angular to subangular. Gravel is medium to fine, subangular to angular.				
40						
		DOLOMITIC LIMESTONE				
45						

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 19.5: Cement/Bentonite Grout
- 0 - 26.5: 2-inch, Sch. 40, PVC Casing
- 19.5 - 22: Medium Bentonite Chips
- 22 - 39: No. 1 Sand
- 26.5 - 36.5: No. 10 Slot, PVC Screen, Mill Slot

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-25**

US EPA

STARTED: 9/19/23 COMPLETED: 9/19/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 241617.64 ft EASTING: 13447928.32 ft
G.S. ELEVATION: 587.90 ft M.P. ELEV: 591.06
INITIAL DTW: 6 ft TOTAL DEPTH: 45.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SW - SM	Apparent fill: WELL GRADED SAND WITH SILT. Loose, very dark brown (10YR 2/2). Sand is well graded, C-F, subangular to angular. Gravel is well graded, C-F, 1/8" - 1". Silt is low plasticity, medium dilantancy	5	0.6	■	RI-MW/SB-25 (0-0.5)
				1.1	■	RI-MW/SB-25 (1-2)
				1		
				3.3		
5		▼		6.4		
	CH	Apparent fill: FAT CLAY. Stiff, dark gray (10YR 4/1). Clay is high plasticity, low dilantancy. Sand is poorly graded, very fine, round. Silt	5	0		
				0.1		
				2.2		
				2.8		
10				10.2		
	SP	Apparent fill: POORLY GRADED SAND. Loose, black (10YR 2/1). Sand is poorly graded, fine, round to subround. Gravel is well-graded, 1/8"-2", subangular.	7.83	1.4		
				0.8		
				1.8		
				0.4		
				0.7		
15	SP	Apparent fill: POORLY GRADED SAND WITH GRAVEL. Loose, black (10YR 2/1). Sand is poorly graded, fine, round to subround. Gravel is well-graded, 1/8"-2", subangular.		3.4		
				7.4		
				66.1	■	RI-MW/SB-25 (17-18)
	SP - SM	Apparent fill: POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine, subround to round. Silt is low plasticity, medium dilantancy		50.1		
20				37.2		
				10.7		
				11.8		
				13.8		
	ML	SANDY SILT. Very soft, dark gray (2.5Y 4/1). Silt is low plasticity, medium dilantancy. Sand is poorly graded, very fine, round.	10	6.1		
				4.6		
25				2.6		
				2.2		
				1.5		
				1.5		
				1.5		
30	CH	FAT CLAY WITH SAND. Stiff. Clay is high plasticity, low dilantancy. Sand is poorly graded, very fine, round.		0.5		
				0.3		
				0.3		
				0		
				0		
35			10	0		
				0		
				0		
				0		
40				0		
				0.1		
				0		
				0		
				0		
				0		
45			5			

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 8: Cement/Bentonite Grout
- 0 - 12: 2-inch, Sch. 40, PVC Casing
- 8 - 10: Medium Bentonite Chips
- 10 - 24: No. 1 Sand
- 12 - 22: No. 10 Slot, PVC Screen, Mill Slot
- 24 - 45: Medium Bentonite Chips

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

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MONITORING WELL LOG

PROJECT NO.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-25**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			DOLOMITIC LIMESTONE					
50								
55								
60								
65								
70								
75								
80								
85								
90								
95								

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-26**

US EPA

STARTED: 9/15/23 COMPLETED: 9/15/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 241978.41 ft EASTING: 13448136.75 ft
G.S. ELEVATION: 591.77 ft M.P. ELEV: 594.58
INITIAL DTW: 5 ft TOTAL DEPTH: 40.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SW - SM	Apparent fill: WELL GRADED SAND WITH SILT. Loose. Sand is well graded, C-F, subangular to subround. Gravel is well graded, 1/8"-2", subangular to angular. Silt is low plasticity, medium dilantancy. Odorous	5	15.1		RI-MW/SB-26 (0-0.5)
				14.2		
				84.3		RI-MW/SB-26 (1-2)
				29.5		
				12.7		RI-MW/SB-26 (2-3)
5	SM	Apparent fill: SILTY SAND. Loose, black (10YR 2/1). Sand is subround to round, poorly graded, fine. Silt is low plasticity, medium dilantancy. Soil has oily sheen to it, odorous	5	3.5		
				4.3		
				14.8		
				38.9		
				34.8		
10			10	1.5		
				21.8		
				35		
				12.8		
				21.9		
15				42.7		
				52.9		
				17		
				17.3		
				9.4		
20			10	1.4		
				0.8		
				0		
	SM	SILTY SAND. Medium dense, dark gray (2.5Y 4/1). Sand is very fine, round, poorly graded. Silt is slight plasticity, medium dilantancy. Trace clay		0		
				0		
25				0		
				0		
				0		
				0		
	SP - SM	POORLY GRADED SAND WITH SILT. Medium dense, dark gray (2.5Y 4/1). Sand is poorly graded, M-F, subround to round. Silt is low plasticity, medium dilantancy		0		
30				0		
				0		
				0		
				0		
				0		
35	CH	FAT CLAY WITH SAND. Soft, dark gray (2.5Y 4/1). Clay is high plasticity, low dilantacy. Sand is poorly graded, very fine, round	10	0		
				0		
				0		
				0		
				0		
40		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 7: Cement/Bentonite Grout
- 0 - 12: 2-inch, Sch. 40, PVC Casing
- 7 - 10: Medium Bentonite Chips
- 10 - 24: No. 1 Sand
- 12 - 22: No. 10 Slot, PVC Screen, Mill Slot
- 24 - 40: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

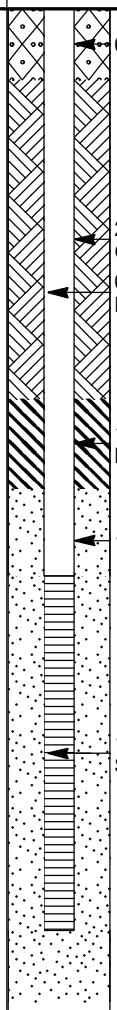
MONITORING WELL NO: **RI-MW/SB-27**
US EPA

STARTED: 8/21/23 COMPLETED: 8/21/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242370.15 ft EASTING: 13448211.73 ft
G.S. ELEVATION: 595.13 ft M.P. ELEV: 598.13
INITIAL DTW: 16 ft TOTAL DEPTH: 40.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SW - SM	WELL GRADED SAND WITH SILT AND GRAVEL. Loose, very dark brown (10YR 2/2). Sand is subangular to angular, well-graded, C-F. Gravel is well graded, 1/8"-1", subangular to angular. Silt is low to medium plasticity and moderate dilantancy	4	0.2 0.3 0.5 0.9 1.6		RI-MW/SB-27 (0-0.5) RI-MW/SB-27 (1-2)
5	SW - SM	WELL GRADED SAND WITH SILT AND GRAVEL. Loose, pale brown (10YR 6/3). Sand is subangular to angular, well-graded, C-F. Gravel is well graded, 1/8"-1", subangular to angular. Silt is low to medium plasticity and moderate dilantancy	5	0.3 0.4 0.3 0.3 0.2		
	SC	WELL GRADED SAND WITH SILT AND GRAVEL. Loose, black (10YR 2/1). Sand is subangular to angular, well-graded, C-F. Gravel is well graded, 1/8"-1", subangular to angular. Silt is low to medium plasticity and moderate dilantancy		3.9 1.7 5.5 14.5		
10	SM	CLAYEY SAND WITH GRAVEL. Loose, dark brown (10YR 3/3). Sand is subangular to subround, well-graded, C-F. Clay is high plasticity and low dilantancy. Gravel is angular to subangular, 1/8"-1", well graded	10	19 10.6 5.9 0.8 1.4 1.3		RI-MW/SB-27 (14-15)
	SM	SILTY SAND WITH GRAVEL. Loose, black (7.5YR 2.5/1). Sand is subangular to angular, well-graded, C-F. Gravel is subangular to angular, 1/8"-3" well graded. Silt is low plasticity and medium dilantancy				
20	SM	WELL GRADED SAND WITH SILT. Loose, black (7.5YR 2.5/1). Sand is subangular to angular, well-graded, C-F. Gravel is subangular to angular, 1/8"-3" well graded. Silt is low plasticity and medium dilantancy		0.3 0.2 0.3 0.2 0.2		
25	SM	SILTY SAND WITH GRAVEL. Loose, black (7.5YR 2.5/1). Sand is subangular to angular, well-graded, C-F. Gravel is subangular to angular, 1/8"-3" well graded. Silt is low plasticity and medium dilantancy	10	0.3 0.2 0.2 0.2		
	SP - SM	POORLY GRADED SAND WITH SILT. Soft, dark gray (10YR 4/1). Sand is poorly graded, very fine. Silt is low plasticity, moderate dilantancy		0.1 0.1 0.1 0.1 0.1		
35	ML	SANDY SILT. Soft, gray (7.5YR 5/1). Silt is low to medium plasticity and medium dilantancy	10	0.1 0.2 0.9 1.2 1.3		
40		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)



- 0 - 2: Concrete
- 2 - 11: Cement/Bentonite Grout
- 0 - 16: 2-inch, Sch. 40, PVC Casing
- 11 - 13.5: Medium Bentonite Chips
- 13.5 - 28: No. 1 Sand
- 16 - 26: No. 10 Slot, PVC Screen, Mill Slot
- 28 - 40: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-29**

US EPA

STARTED: 9/11/23 COMPLETED: 9/11/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243591.19 ft EASTING: 13448304.34 ft
G.S. ELEVATION: 588.73 ft M.P. ELEV: 591.81
INITIAL DTW: 7 ft TOTAL DEPTH: 27.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0	SM	Apparent fill: SILTY SAND. Loose, very dark brown (7.5YR 2.5/2). Sand is well graded, C-F, subangular to subround. Silt Is low plasticity and medium dilantancy	5	2.8		RI-MW/SB-29 (0-0.5)	0 - 2: Concrete
				1.9			0 - 7: 2-inch, Sch. 40, PVC Casing
				12.9		RI-MW/SB-29 (1-2)	
				0.6			2 - 5: Medium Bentonite Chips
5				56.3		RI-MW/SB-29 (4-5)	
			5	1.2			5 - 19: No. 1 Sand
				0.8			
				1.7			
	SC	Apparent fill: CLAYEY SAND WITH GRAVEL. Dense, gray (10YR 6/1). Sand is well graded, C-F, subround to subangular. Gravel is well graded, 1/8"-1". Clay is high plasticity and low dilantancy		1.2			
				1.6			
10	SC		8	0			
				0			
	SC	Apparent fill: CLAYEY SAND WITH GRAVEL. Dense, very dark brown (7.5YR 2.5/2). Sand is well graded, C-F, subround to subangular. Gravel is well graded, 1/8"-1". Clay is high plasticity and low dilantancy		0.1			7 - 17: No. 10 Slot, PVC Screen, Mill Slot
				0			
				0			
15				0			
		Apparent fill: CLAYEY SAND WITH GRAVEL. Dense, dark grayish brown (2.5Y 4/2). Sand is well graded, C-F, subround to subangular. Gravel is well graded, 1/8"-1". Clay is high plasticity and low dilantancy		0			
				0			
	SM			0			
		SILTY SAND. Dense, black (10YR 2/1). Sand is poorly graded, fine, subround to round. Silt is low plasticity and medium dilantancy		0			
20				0			
	SP - SM		7	0			
		POORLY GRADED SAND WITH SILT. Dense, dark gray (2.5Y 4/1). Sand is poorly graded, very fine, round. Silt is low plasticity and medium dilantancy		0			19 - 27: Medium Bentonite Chips
	SM			0			
25		SILTY SAND. Medium dense, dark gray (2.5Y 4/1). Sand is poorly graded, fine, round to subround. Silt is low plasticity and medium dilantancy					
		DOLOMITIC LIMESTONE					
30							
35							
40							
45							

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-30**

US EPA

STARTED: 9/20/23 COMPLETED: 9/20/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 241415.82 ft EASTING: 13448348.98 ft
G.S. ELEVATION: 582.78 ft M.P. ELEV: 582.42
INITIAL DTW: 5 ft TOTAL DEPTH: 50.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SM	Apparent fill: SILTY SAND. Loose, yellowish brown (10YR 5/4). Sand is well graded, C-F, subangular to subround. Silt is low plasticity and medium dilantancy. Gravel is well graded, 1/8"-1", subangular to subround	4	6 0.8 1.4 0.6 0.9	■	RI-MW/SB-30 (0-0.5) RI-MW/SB-30 (1-2) RI-MW/SB-30 (2-3)
5	SM	Apparent fill: SILTY SAND. Loose, dark grayish brown (10YR 4/2). Sand is well graded, C-F, subangular to subround. Silt is low plasticity and medium dilantancy. Gravel is well graded, 1/8"-1", subangular to subround	3	0.2 0.2 0.2 0.2 0.1		
10	ML	SANDY SILT. Soft, dark gray (10YR 4/1). Silt is low plasticity and medium dilantancy. Sand is very fine, poorly-graded, round. Silt is low plasticity and medium dilantancy. Scrap metal found throughout	10	0.1 0.1 0.2 0.6 0.4 1 0 1.2 0.5 0.5		
20	SM	SILTY SAND. Soft, dark gray (10YR 4/1). Sand is poorly graded, very fine, round. Silt is low plasticity and medium dilantancy. Scrap metal found throughout				
25	ML	SILT WITH SAND. Dark gray (10YR 4/1). Silt is low plasticity and medium dilantancy. Sand is poorly graded, very fine, round	10	0 0.7 0.4 0.3 0.2 1.8 0.4 0.4 0.4 1.4		
30				0.1 0 0 0.1 0.1		
35			10	0.2 0 0 0 0		
40	CH	FAT CLAY. Soft, dark gray (10YR 4/1). Clay is high plasticity and low dilantancy. Sand is poorly graded, very fine, round. Silt	7	0 0 0 0.2 0 0 0.4		
45		DOLOMITIC LIMESTONE				
50						

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 6: Cement/Bentonite Grout
- 0 - 10: 2-inch, Sch. 40, PVC Casing
- 6 - 8: Medium Bentonite Chips
- 8 - 22: No. 1 Sand
- 10 - 20: No. 10 Slot, PVC Screen, Mill Slot
- 22 - 50: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-31**

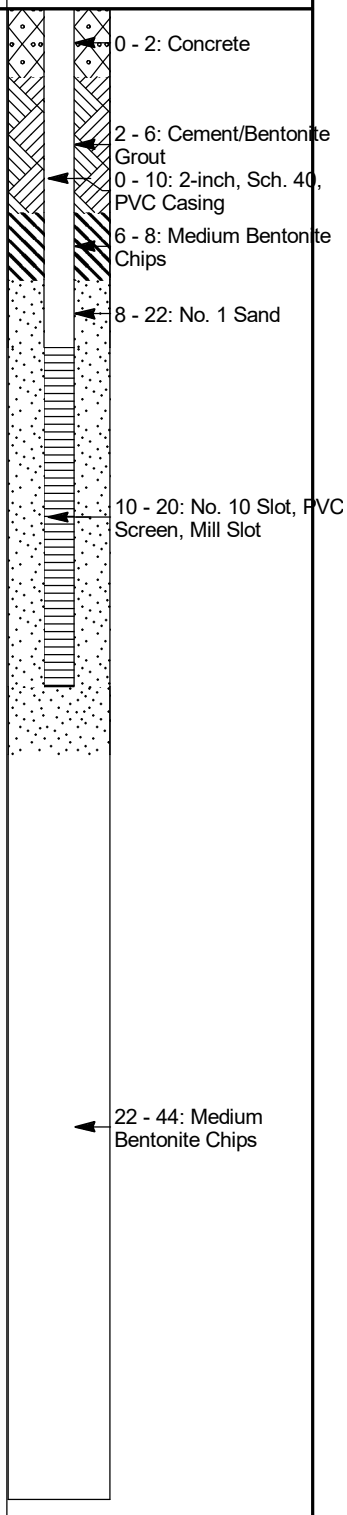
US EPA

STARTED: 9/20/23 COMPLETED: 9/20/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 241061.94 ft EASTING: 13448162.29 ft
G.S. ELEVATION: 581.21 ft M.P. ELEV: 581.04
INITIAL DTW: 7 ft TOTAL DEPTH: 44.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0	SW - SM	WELL GRADED SAND WITH SILT. Loose, very dark grayish brown (10YR 3/2). Sand is well graded, C-F, subangular to subround. Silt is low plasticity, medium dilantancy. Gravel is well graded, 1/8"-2", subround to subangular	5	1.9		RI-MW/SB-31 (0-0.5)
				1.9		
				2.4		RI-MW/SB-31 (1-2)
				6.8		
	SW - SM			26		RI-MW/SB-31 (4-5)
5		WELL GRADED SAND WITH SILT. Loose, gray (10YR 5/1). Sand is well graded, C-F, subangular to subround. Silt is low plasticity, medium dilantancy. Gravel is well graded, 1/8"-2", subround to subangular	4.5	6.3		
				10.4		
				6.2		
				12.4		
	GP	POORLY GRADED GRAVEL. Loose, gray (2.5Y 6/1). Gravel is poorly-graded, 1/8"-1/2", subangular to subround.		20.4		
10			10	4.4		
	GP			3		
		POORLY GRADED GRAVEL. Loose, black (2.5Y 2.5/1). Gravel is poorly-graded, 1/8"-1/2", subangular to subround.		1.1		
	ML			3		
				1.1		
15		SILT WITH SAND. Soft, black (10YR 2/1). Silt is low plasticity and medium dilantancy. Sand is very fine, poorly-graded, round.		0.5		
				0.3		
		SILT WITH SAND. Soft, dark gray (10YR 4/1). Silt is low plasticity and medium dilantancy. Sand is very fine, poorly-graded, round.		0.3		
				0.2		
				0.3		
20	ML			0.5		
				0.7		
				0.6		
				0.5		
				0.4		
25			10	0		
	CH	FAT CLAY. Soft, gray (10YR 5/1). Clay is high plasticity and low dilantancy. Silt		0		
				0		
				0		
				0		
30		ROCK STUCK IN DRILL. NO RECOVERY FROM 30 FT - 43 FT. Appeared to be fully clay until 43 ft when bedrock began				
35			0			
40						
			0			
		DOLOMITIC LIMESTONE.				

WELL CONSTRUCTION (From - To Interval, feet bgs)



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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-32**

US EPA

STARTED: 9/18/23 COMPLETED: 9/18/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 241658.80 ft EASTING: 13448220.53 ft
G.S. ELEVATION: 584.57 ft M.P. ELEV: 587.49
INITIAL DTW: 7 ft TOTAL DEPTH: 45.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		CONCRETE	3			RI-MW/SB-32 (0-0.5)
						RI-MW/SB-32 (1-2)
			4			
	SM	Apparent fill, scrap metal found throughout: SILTY SAND WITH GRAVEL. Loose, black (10YR 2/1). Sand is poorly graded, fine, subround to round. Silt is low plasticity, medium dilantancy. Gravel is well graded, 1/8"-2", subround to subangular.	3	0.1 0 0		
			10	0 0 0 0 0 0 0 2.5 1.1 0		RI-MW/SB-32 (18-19)
	SM	SILTY SAND. Loose, dark gray (10YR 4/1). Sand is poorly graded, fine, subround to round. Silt is low plasticity, medium dilantancy	10	0.1 0.4 0.5 0.1 0 0 0 0 0 0		
	CH	FAT CLAY. Gray (10YR 5/1). Clay is high plasticity, low dilantancy. Silt	10	0 0 0 0 0 0 0 0 0 0		
			5	0 0 0 0 0		

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 6: Cement/Bentonite Grout
- 0 - 10: 2-inch, Sch. 40, PVC Casing
- 6 - 8: Medium Bentonite Chips
- 8 - 22: No. 1 Sand
- 10 - 20: No. 10 Slot, PVC Screen, Mill Slot
- 22 - 45: Medium Bentonite Chips

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

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MONITORING WELL LOG

PROJECT NO.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-32**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			DOLOMITIC LIMESTONE					
50								
55								
60								
65								
70								
75								
80								
85								
90								
95								

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-35**

US EPA

STARTED: 9/18/23 COMPLETED: 9/18/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242581.56 ft EASTING: 13448679.53 ft
G.S. ELEVATION: 581.23 ft M.P. ELEV: 584.24
INITIAL DTW: 3 ft TOTAL DEPTH: 35.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SW - SM	Apparent fill with scrap metal: WELL GRADED SAND WITH SILT AND GRAVEL. Loose, very dark gray (7.5YR 3/1). Sand is well graded, C-F, subangular to subround. Gravel is well graded, 1/8"-1.5", subangular to well rounded. Silt is low plasticity, medium dilantancy	3	0.3 1.6 1		RI-MW/SB-35 (0-0.5) RI-MW/SB-35 (1-2)
5				0.4 3.6 2.1		
	SW - SM	Apparent fill with scrap metal: WELL GRADED SAND WITH SILT AND GRAVEL. Loose, brown (7.5YR 5/4). Sand is well graded, C-F, subangular to subround. Gravel is well graded, 1/8"-1.5", subangular to well rounded. Silt is low plasticity, medium dilantancy	7	4.8 4.5 7.7 61.9		RI-MW/SB-35 (9-10)
10		Apparent fill with scrap metal: WELL GRADED SAND WITH SILT AND GRAVEL. Loose, very dark gray (7.5YR 3/1). Sand is well graded, C-F, subangular to subround. Gravel is well graded, 1/8"-1.5", subangular to well rounded. Silt is low plasticity, medium dilantancy		3.2 23.1 8.8		
	SP - SM	Apparent fill with scrap metal: POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine, subround to round. Silt is low plasticity, medium dilantancy		18.9 23.3		
15			10	10.8 36.3 21.8 18.7 14.6		
20	SP - SM	20 ft - 26 ft lost, no recovery. Apparent backfill with scrap metal: POORLY GRADED SAND WITH SILT. Loose, very dark brown (10YR 2/2). Sand is poorly graded, fine, subround to round. Silt is low plasticity, medium dilantancy				
25			4			
	SP - SM	Apparent fill with scrap metal: POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine, subround to round. Silt is low plasticity, medium dilantancy		6 6 9.7 9.5		
30	CH	FAT CLAY WITH SAND. Soft, gray (7.5YR 5/1). Clay is high plasticity and low dilantancy. Sand is poorly graded, very fine, round. Silt	5	0.3 0.5 0.2 0.9		
35		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 6: Cement/Bentonite Grout
- 0 - 10: 2-inch, Sch. 40, PVC Casing
- 6 - 8: Medium Bentonite Chips
- 8 - 22: No. 1 Sand
- 10 - 20: No. 10 Slot, PVC Screen, Mill Slot
- 22 - 35: Medium Bentonite Chips

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Telephone: 212-785-9123

MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-39**
US EPA

STARTED: 9/13/23 COMPLETED: 9/13/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 242936.62 ft EASTING: 13447604.89 ft
G.S. ELEVATION: 589.15 ft M.P. ELEV: 592.17
INITIAL DTW: 6 ft TOTAL DEPTH: 30.5 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
5	SM	Apparent fill with scrap metal throughout: SILTY SAND. Loose, black (10YR 2/1). Sand is well graded, C-F, angular to subround. Silt is low plasticity, medium dilantancy. Gravel is well-graded, 1/8"-2", angular to subangular.	4	0.7 2.1 4 3.7 1.4		RI-MW/SB-39 (0-0.5) RI-MW/SB-39 (1-2) RI-MW/SB-39 (2-3)
			5	0.4 0.6 2 0.1 2.1		
10	SW - SM	WELL GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is well graded, C-F, subangular to subround. Silt is low plasticity, medium dilantancy	10	0 0 0.1		
15	SP - SM	POORLY GRADED SAND WITH SILT AND GRAVEL. Medium dense, black (10YR 2/1). Sand is poorly graded, M-F, subround to round. Gravel is subangular to subround, well graded, 1/8"-2". Silt is low plasticity, medium dilantancy		0.1 0 0 0.1 0.3 0.1 0		
20	CH	FAT CLAY. Hard, light olive brown (2.5Y 5/4). Clay is high plasticity and low dilantancy. Clay is a mixture of 2.5Y 5/4 light olive brown and 2.5Y 5/1 gray. With trace silt		0 0 0 0 0 0 0 0 0		
25			10	0 0 0 0 0 0		
30		DOLOMITIC LIMESTONE	0.5			

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 4: Cement/Bentonite Grout
- 0 - 8: 2-inch, Sch. 40, PVC Casing
- 4 - 6: Medium Bentonite Chips
- 6 - 20: No. 1 Sand
- 8 - 18: No. 10 Slot, PVC Screen, Mill Slot
- 20 - 30.5: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-40**

US EPA

STARTED: 9/13/23 COMPLETED: 9/13/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 243123.01 ft EASTING: 13447768.52 ft
G.S. ELEVATION: 588.83 ft M.P. ELEV: 592.07
INITIAL DTW: 10 ft TOTAL DEPTH: 27.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SM	Apparent fill: SILTY SAND. Loose, very dark brown (10YR 2/2). Sand is well-graded, C-F, subround to subangular. Silt is low plasticity, medium dilantancy. Gravel is well-graded, 1/8"-1", subangular to subround	4.5	0.5	■	RI-MW/SB-40 (0-0.5)
				1.4	■	RI-MW/SB-40 (1-2)
				8.4	■	
				15.4	■	RI-MW/SB-40 (3-4)
5	SM	Apparent fill: SILTY SAND. Loose, gray (10YR 5/1). Sand is well-graded, C-F, subround to subangular. Silt is low plasticity, medium dilantancy. Gravel is well-graded, 1/8"-1", subangular to subround		4.5	■	
			5	1.3		
				3.9		
				5.3		
		POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine, round to subround. Silt is low plasticity, medium dilantancy		5.4		
10		▼		7.4		
				4.5		
				1.5		
				1.8		
	SP - SM			2		
				3.1		
15			8	3.9		
				7		
				10.2		
				8.5		
				12		
20				1		
		FAT CLAY. Medium stiff, dark gray (10YR 4/1). Clay is high plasticity, low dilantancy		1.5		
				1.9		
	CH		7	2.2		
				2		
25				1.5		
		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 5: Cement/Bentonite Grout
- 0 - 10: 2-inch, Sch. 40, PVC Casing
- 5 - 8: Medium Bentonite Chips
- 8 - 22: No. 1 Sand
- 10 - 20: No. 10 Slot, PVC Screen, Mill Slot
- 22 - 27: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-41**

US EPA

STARTED: 9/6/23 COMPLETED: 9/6/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 245042.65 ft EASTING: 13448017.12 ft
G.S. ELEVATION: 589.23 ft M.P. ELEV: 591.94
INITIAL DTW: 6 ft TOTAL DEPTH: 33.0 ft
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SW - SM	Apparent fill, scrap metal found throughout: WELL GRADED SAND WITH SILT AND GRAVEL. Very dark brown (10YR 2/2). Sand is well graded, C-F, subangular to angular. Gravel is poorly graded, 1/8"-2", subangular. Silt is low plasticity, medium dilantancy	5	2.4		RI-MW/SB-41 (0-0.5)
				2.8		
				6.3		RI-MW/SB-41 (1-2)
				3.8		
	SW - SM	Apparent fill, scrap metal found throughout: WELL GRADED SAND WITH SILT AND GRAVEL. Gray (10YR 5/1). Sand is well graded, C-F, subangular to angular. Gravel is poorly graded, 1/8"-2", subangular. Silt is low plasticity, medium dilantancy		22.4		RI-MW/SB-41 (4-5)
5				0.7		
				5.4		
	SM	Apparent fill, scrap metal found throughout: WELL GRADED SAND WITH SILT AND GRAVEL. Very dark brown (10YR 2/2). Sand is well graded, C-F, subangular to angular. Gravel is poorly graded, 1/8"-2", subangular. Silt is low plasticity, medium dilantancy	5	6.8		
				3.5		
				2		
10		SILTY SAND. Looseblack (10YR 2/1). Sand is well graded, C-F, subangular to angular. Silt is low plasticity, medium dilantancy. Gravel is well graded, 1/8"-1", subangular to angular		0.6		
				1.1		
				1.5		
	SP - SM	POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine grained, subround to round. Silt is low plasticity, medium dilantancy.		2.9		
				5.4		
15			10	16.5		
				9.6		
	GC	CLAYEY GRAVEL WITH SAND. Dense, gray (10YR 5/1). Gravel is C-F, 1/8"-2", angular, well graded. Sand is well graded, C-F, subangular		10.5		
				8		
	CH			0.6		
20		FAT CLAY. Soft, very dark gray (2.5Y 3/1). Clay is high plasticity and low dilantancy. Silt is high plasticity, low dilantancy. With silt		5.4		
	SP - SM			3.5		
		POORLY GRADED SAND WITH SILT. Loose, black (10YR 2/1). Sand is poorly graded, fine, subround. Silt is low plasticity, medium dilantancy		4.4		
				0		
		FAT CLAY. Soft to firm, olive gray (5Y 4/2). Clay is high plasticity, low dilantancy. Trace bedrock fragments found throughout		0		
25			10	0		
				0		
	CH			0		
				0		
				0		
30				0		
			3	0		
		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 3.5: Concrete
- 0 - 7.5: 2-inch, Sch. 40, PVC Casing
- 3.5 - 5.5: Medium Bentonite Chips
- 5.5 - 20: No. 1 Sand
- 7.5 - 17.5: No. 10 Slot, PVC Screen, Mill Slot
- 20 - 33: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

PROJECT: McLouth Steel Corp.

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-42**

US EPA

STARTED: 9/21/23 COMPLETED: 9/21/23
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: LS250 Minisonic
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Sonic Core Barrel
SURFACE COMPLETION: Steel Stickup

NORTHING: 246582.89 ft EASTING: 13448029.24 ft
G.S. ELEVATION: 589.29 ft M.P. ELEV: 592.2
INITIAL DTW: 15 ft TOTAL DEPTH: 37.0 ft
LOGGED BY: Matthew Renko
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM: NAVD88

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SM	Apparent fill: SILTY SAND WITH GRAVEL. Gray (10YR 5/1). Some steel slag. 0 ft - 1.5 ft hand augered	3	1.5	■	RI-MW/SB-42 (0-0.5)
				2.8	■	RI-MW/SB-42 (1-2)
				2.2	■	
				10.7		
				35.5		
5			4	2.3		
				0.6		
				4.5		
				3.7		
				11.8		
10			6	2.6		
				3.3		
				5.4		
				2.9		
				3.9		
15	SM	▼ SILTY SAND. Very dark gray (10YR 3/1). Little to no fines until 19 ft. Little silt, trace subangular gravel. Silt is non plastic		1.5		
				0.6		
				0.7		
				31.1		
20				36.3	■	RI-MW/SB-42 (19-20)
	CH	SANDY FAT CLAY. Black (10YR 2/1). Some silt, medium plasticity, slow dilantancy, stiff.	9	1		
				0.3		
				0.5		
				0.2		
25				0.3		
				0.3		
				0.2		
				0.1		
				0.3		
	CH	FAT CLAY. Reddish gray (2.5YR 5/1). High plasticity, slow dilantancy, cohesive		0		
30			7			
35						
		DOLOMITIC LIMESTONE				

WELL CONSTRUCTION (From - To Interval, feet bgs)

- 0 - 2: Concrete
- 2 - 11: Cement/Bentonite Grout
- 0 - 15: 2-inch, Sch. 40, PVC Casing
- 11 - 13: Medium Bentonite Chips
- 13 - 22: No. 1 Sand
- 15 - 20: No. 10 Slot, PVC Screen, Mill Slot
- 22 - 37: Medium Bentonite Chips

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MONITORING WELL LOG

PROJECT NO.

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y1.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/22/26 REV.

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
ALEX PEDTKE	8/14/23	PINE	36948	592-91880	945	955

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
100 PPM ISOBUTYLENE	PINE	302-4022668-109	~~CO:~~ ~~H_2S:~~ ~~LEL:~~ ~~O_2:~~
〃	〃	〃 NOV 26	Isobutylene:

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading					

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	1'				Expected Reading	100
Actual Reading					Actual Reading	

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

_____

_____

_____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	8/15/23	Pine	36948	592-918830	7:20	7:25

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
100 ppm ISOBUTYLENE	Pine	302-402266829-1034	~~CO: H_2S: LEL: O_2:~~
		Nov - 2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	—	0.0	—	—	—

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	/	/	/	/	Expected Reading	100
Actual Reading	/	/	/	/	Actual Reading	97.8

Instrument OK? (YES) (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): (YES) NO		
Time:	Date: 8/15/23	Calibration Completed By: J. Wagenmaker	
Calibration Gas	Same as Above (Circle one)? (YES) NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer PINE	Lot No./Expiration Date	Concentration(s)
		302-402266829-1034	CO: / H_2S: / LEL: — O_2: /
		Nov - 2026	Isobutylene: 109 ppm

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	8/16/23	Pine	3648	592-918830	7:00	7:05

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
Isobutylene	Pine	302-4022 66829-1034	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		Nov 2026	Isobutylene: 100ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100
Actual Reading	✓	✓	✓	✓	Actual Reading	100.1

Instrument OK? (YES) (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): (YES) NO		
Time: 5:05	Date: 8/16	Calibration Completed By: Jason Wagenmaker	
Calibration Gas ~~iso~~	Same as Above (Circle one)? (YES) NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
Isobutylene	Pine	302-4022 66829-1034	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		Nov 2026	Isobutylene: 100 ppm

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
Jason Wagenaar	8/17/23	Pine	3648	592-918830	7:10	7:15

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
Isobutylene	Pine	302-4022668294-1034	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		Nov. 2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	✓	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.1 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

_____

_____

_____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
Jason Wegenmaker	8/17/23	Pine	23273	592-909257	1:00	1:05

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
Isobutylene	Pine	302-40 2266829-1034	~~CO:~~ ~~H_2S:~~ LEL: ~~O_2:~~
		Nov 2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.1 ppm

Instrument OK? (YES (Calibration Completed)) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
Jason Wagenmaker	8/18/23	Pines	23273	592-909257	7:00	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	302-402266824	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		-1034 Nov 2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	101 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time: 4:10	Date: 8/18/23	Calibration Completed By: Jason Wagenmaker	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
Isobutylene	Pine	302-402266879	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		-1034 Nov 2026	Isobutylene: 100ppm

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	8/24/23	Pine	23273	592-909257	7:45	YES

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	302-402266829	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		NOV 2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0
Actual Reading	✓	✓	✓	✓	Actual Reading	100.1

Instrument OK? (YES) (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
Jason Wagenaker	8/22/23	Pine	23273	592-909257	7:05	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	302-402266829	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
			Isobutylene: 100ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0
Actual Reading	✓	✓	✓	✓	Actual Reading	100.1

Instrument OK? (YES (Calibration Completed)) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
Jason Wagenveld	8/22/23	Pine	73273	592-909257	7:05	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	302-402266829-1034	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		NOV 2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100
Actual Reading	✓	✓			Actual Reading	100.1

Instrument OK? (YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
Jason Wagenmaker	8/21/23	Pines	23273	592-409257	7:15	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
Isobutylene	pine	302-402266829-1034	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		Nov 2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]					Expected Reading	100 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.1 ppm

Instrument OK? (YES) (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	8/30/23	Pine	23273	542-909257	8:15	YES

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-402556116-1	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		10/18/2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.1 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	8/22/23	Dine	23273	592-909257	8:15	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Dine	301-402556116-1	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		10/18/2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.0 ppm

Instrument OK? ~~YES (Calibration Completed)~~ NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	8/28/23	Pine	23273	592-909257	6:40	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
~~Pine~~	Pine	304-402556116-1	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
ISOBUTYLENE		10/18/2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading					Actual Reading	102.1 ppm

Instrument OK? (YES) (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	9/8/23	Pine	214159	592-602754	7:15	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-402556116-1	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		10/18/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading					Actual Reading	

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Waycunas	9/6/23	Pine	214 159	592-60275[4]	7:05	YES

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-402556116-1	CO: — H_2S: — LEL: — O_2: —
		10/18/2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	/	0.0	/	/	/

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	/	/	/	/	Expected Reading	100.0 ppm
Actual Reading					Actual Reading	100.1 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	~~9/5/23~~ 9/5/23	Dine	214159	592-602754	9:45	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Dine	304-402690404-1	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		3/21/2027	Isobutylene: 100ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading					Actual Reading	100.0 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	9/15/23	Pine	R9914	592-000281	0700	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-4025561116-1	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		10/18/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading	✓	✓		✓	Actual Reading	99.3 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	9/14/23	Pine	R9914	592-000281	0710	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-402556 116-1	CO: ~~/~~ H_2S: ~~/~~ LEL: ~~/~~ O_2: ~~/~~
		10/18/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	~~/~~	0.0	~~/~~	~~/~~	~~/~~

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	~~/~~	~~/~~	~~/~~	~~/~~	Expected Reading	100.0 ppm
Actual Reading	~~/~~	~~/~~	~~/~~	~~/~~	Actual Reading	100.1 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	9/13/23	Pine	R9914	592-000281	07:00	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pic	304-40255616-1	CO: — H_2S: — LEL: — O_2: —
		10/18/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.0 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES	NO (IF NO COMPLETE INFORMATION BELOW)	
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	9/12/23	Pine	214169	592-602754	7:05	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-402556116-1	CO: / H_2S: / LEL: / O_2: /
		01/18/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	/	0.0	/	/	/

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	/	/	/	/	Expected Reading	100.0 ppm
Actual Reading	/	/	/	/	Actual Reading	100.0 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagemaker	9/11/23	Pine	214154	592-602754	8:00	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Rae	304-U02556116-1	CO: ✓ H_2S: ✓ LEL: ✓ O_2: ✓
		10/18/2026	Isobutylene: 100 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.0 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenaar	4/21/23	Pine	R414	592-000281	0820	YES

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-102690404-1	CO: — H_2S: — LEL: — O_2: —
		3/21/2027	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	—	0.0	—	—	—

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]					Expected Reading	100.0 ppm
Actual Reading					Actual Reading	100.1 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	4/20/23	Pine	R4914	542-000281	0705	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	304-402556116-1	CO: — H_2S: — LEL: — O_2: —
		10/18/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]					Expected Reading	100.0 ppm
Actual Reading	✓	✓	✓	✓	Actual Reading	100.4 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

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_____

_____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenmaker	9/19/23	Pine	R9914	592 – 000 281	0720	YES

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTLYENE	Pine	304-402556116-1	CO: — H_2S: — LEL: — O_2: —
		10/18/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	✓	0.0	✓	✓	✓

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	✓	✓	✓	✓	Expected Reading	100.0 ppm
Actual Reading	✓	✓			Actual Reading	100.1 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenaker	9/18/23	Pine	R944	592-000281	07:45	Yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
ISOBUTYLENE	Pine	309-402556116-1	CO: ~~H_2S:~~ LEL: O_2:
		10/13/2026	Isobutylene: 100.0 ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading		0.0			

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]					Expected Reading	100.0 ppm
Actual Reading					Actual Reading	100.0 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Check Readings:				
CO:	H_2S:	LEL:	O_2:	VOC:

Comments/Corrective Action: _____

_____

_____

_____

Attachment A-2

Year 2 Field Documentation (Boring Logs and Equipment Calibration)

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-43**
US EPA

STARTED: 5/23/25 COMPLETED: 5/23/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 246158.67 Feet EASTING: 13447723.31 Feet
G.S. ELEVATION: 585.24 Feet M.P. ELEV:
INITIAL DTW: Dry TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		GW	Well graded, sandy, GRAVEL with some fines, dry, 10YR 3/3 (dark brown).			0.1		RI-SB-43 (0-0.5)
		GW	Well graded, sandy, GRAVEL with some fines, dry, 10YR 3/3 (dark brown).			0.2		RI-SB-43 (1-2)
		ML	Very fine white SILT or pulverized material with thin gravel lens at the bottom contact, dry, 10YR 8/1 (white).		5			RI-SB-43 (2-3)
		CH	Fat CLAY with high plasticity, moist to dry, 10YR 4/4 (dark yellowish brown).			0.9		
5						1.3		
					5	1.3		
						0.2		
10			Boring terminated at total depth of 10' bgs					

CDM Smith
535 Griswold Street
Suite 930
Detroit, Michigan 48226
Telephone: 212-785-9123

SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-54**
US EPA

STARTED: 5/21/25 COMPLETED: 5/21/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 243381.15 Feet EASTING: 13446880.47 Feet
G.S. ELEVATION: 586.06 Feet M.P. ELEV:
INITIAL DTW: 6.5 Feet TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		SMG	Gravely, silty, SAND (fill) with trace clay, moist, 10YR 3/2 (very dark grayish brown).		4.75	2.5 46.6		RI-SB-54 (0-0.5) RI-SB-54 (1-2)
		SC	Clayey SAND with some gravel, moist, 10YR 3/2 (very dark grayish brown).		1	64.1		RI-SB-54 (3-4)
5		CH	Fat, CLAY with high plasticity, saturated, 10YR 3/3 (dark brown) to 10YR 6/3 (pale brown) with depth. ▼		5	0 62.7		
		BEDROCK	BEDROCK, dolomitic sandstone.			133.6		
10			Boring terminated at total depth of 10' bgs					

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-56**
US EPA

STARTED: 5/20/25 COMPLETED: 5/20/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 5.5 Feet TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		GW	Well graded, sandy GRAVEL, dry, 10YR 5/4 (yellowish brown / moderate yellowish brown). *Ground surface beneath 6 of installed road gravel.			0		RI-SB-56 (0-0.5)
								RI-SB-56 (1-2)
		SW - SM	Well graded, silty, clayey SAND with some gravel and debris. Dry, 10YR 4/2 (dark grayish brown / dark yellowish brown).		5	0		
5		CL	Silty CLAY with trace sand and low plasticity, wet to saturated, 10YR 4/1 (dark gray). Saturated at 5.5' bgs. ▼		4			RI-SB-56 (4-6)
		CH	Fat CLAY with high plasticity, saturated to wet, 10YR 3/1 (very dark gray).			7.6		
10			Boring terminated at total depth of 10' bgs		3	220.7		

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

CDM Smith
535 Griswold Street
Suite 930
Detroit, Michigan 48226
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SOIL BORING LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-63**
US EPA

STARTED: 5/22/25 COMPLETED: 5/22/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 243144.95 Feet EASTING: 13446843.89 Feet
G.S. ELEVATION: 585.08 Feet M.P. ELEV:
INITIAL DTW: 5 Feet TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 3 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
			Asphalt and road gravel.			1.1		RI-SB-63 (0-0.5)
			Well graded fine to coarse grained gravely SAND with debris and organics, dry, 10YR 3/3 (dark brown).		3	0.9		RI-SB-63 (1-2)
		SWG				0.9		RI-SB-63 (2-3)
5			▼			4.1		
		SC - SM	Silty, clayey SAND with low to no plasticity, some debris, saturated, 10YR 3/2 (very dark grayish brown).		4	0.2		
		CH	Fat CLAY with high plasticity, wet, 10YR 6/3 (pale brown).			0.9		
10			Boring terminated at total depth of 10' bgs					

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-64**
US EPA

STARTED: 6/10/25 COMPLETED: 6/10/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 243090.52 Feet EASTING: 13446879.89 Feet
G.S. ELEVATION: 587.88 Feet M.P. ELEV:
INITIAL DTW: 4.5 Feet TOTAL DEPTH: 20.0 Feet
LOGGED BY: Sam Marshall
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	PID (ppm)	SAMPLE ID
	GW	Dry, gray (10YR, 5/1), well graded, fine to coarse GRAVEL (pulverized asphalt and aggregate), some fine to coarse sand.	0.6	RI-SB-64 (0-0.5)
	SWG	Dry, dark brown (10YR 3/3), well graded, fine to coarse SAND, some fine to medium gravel, trace silt, trace asphalt and rubber.	1.1	RI-SB-64 (1-2)
	SWG	Moist, very dark brown (7.5YR 3/1), well graded, fine to coarse SAND, some fine to medium gravel, little silt.	3.7	RI-SB-64 (2-3)
		Moist to wet, black (10YR 2/1), well graded, fine to coarse SAND, some fine to coarse gravel, little silt, trace wood and metal. ▼	0.4	
5	SWG		0.5	
			0.7	
			0.6	
			0.4	
		Wet, very dark brown (7.5YR 3/1), well graded, fine to coarse SAND, some silt/clay, little fine to medium gravel, trace metal, wood, and fabric.	0	
			0	
10	SC - SM		0	
			0	
			0.3	
		Moist, brown (7.5YR 4/4), SILT and CLAY, little fine to medium gravel and fine to coarse sand, high plasticity.	0.2	
	ML - CL		0.2	
15			0.2	
		WEATHERED/PULVERIZED BEDROCK.	0.1	
			0	
			0	
			0	
20		END OF BORING AT 20' BGS.	0	

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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SOIL BORING LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-65**
US EPA

STARTED: 5/20/25 COMPLETED: 5/20/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 243047.98 Feet EASTING: 13446824.64 Feet
G.S. ELEVATION: 585.25 Feet M.P. ELEV:
INITIAL DTW: 5 Feet TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	SAMPLE ID
	SWG	Silty, gravely SAND (fill) with lots of debris, dry, 10YR 5/1 (gray).		0.1	RI-SB-65 (0-0.5)
			5	0.1	RI-SB-65 (1-2)
5	SC	Gradational contact to clayey SAND with some gravel and debris, wet to saturated, 10YR 2/1 (black). Increased clay content with depth. Becomes Saturated at 5' bgs.		36.7	RI-SB-65 (4-5)
	CH	Fat Clay with high plasticity, wet, 10YR 5/1 (gray).	4	26.1	
10		Boring terminated at total depth of 10' bgs			

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-66**
US EPA

STARTED: 6/4/25 COMPLETED: 6/4/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241576.45 Feet EASTING: 13447340.05 Feet
G.S. ELEVATION: 578.95 Feet M.P. ELEV:
INITIAL DTW: 11 Feet TOTAL DEPTH: 25.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	SAMPLE ID
	SW	Well graded gravely SAND with 1-2 clasts from the nearby construction debris and soil stockpile. Dry, 10YR 5/2 (grayish brown).		0.5	RI-SB-66 (0-0.5)
					RI-SB-66 (1-2)
	CL	Sandy CLAY with low to moderate plasticity and senses of clayey sand. Dry, 10YR 4/2 (dark grayish brown / dark yellowish brown).	5	1	
5				1.5	
	SWG	Gravely SAND with pulverized bricks and concrete and 1-3 sized debris. Dry, 10YR 4/1 (dark gray).	5	10.4	
				11	
10				24.3	
		▼		4.2	RI-SB-66 (10-11)
	SM	Silty, fine SAND with trace gravel, wet to saturated, 10YR 3/3 (dark brown).	5		
				3.8	
15	CL	Sandy CLAY, with trave gravel and low to moderate plasticity. Wet, 10YR 4/1 (dark gray). Moderate confining layer.			
			5	12	
	PT	Very organic, loose, peat with some silt roots and moss. Moist, 10YR 2/2 (very dark brown / dusky yellowish brown).		2.8	
20				0.6	
	CH	Fat CLAY with high plasticity, saturated to wet, 10YR 6/3 (pale brown).	5	0.3	
				1.7	
25		Boring terminated at total depth of 25' bgs			

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-67**
US EPA

STARTED: 6/4/25 COMPLETED: 6/4/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241685.47 Feet EASTING: 13447690.63 Feet
G.S. ELEVATION: 582.28 Feet M.P. ELEV:
INITIAL DTW: 10 Feet TOTAL DEPTH: 25.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 3 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
			Asphalt, gravel and road material.		0	>400		RI-SB-67 (0-0.5) RI-SB-67 (1-2)
		CH	Inferred boundary due to poor recovery. Fat CLAY, with high plasticity and some gravel, dry, 10YR 3/3 (dark brown).					
5		SW	Fine grained, well graded, gravely SAND with >1-2 clasts, dry, 10YR 3/3 (dark brown).			>400		RI-SB-67 (4-5)
		CH	Compacted, fat CLAY with high plasticity, dry to moist, 10YR 6/3 (pale brown).		5.6	>400		
10		CL	Sandy CLAY with moderate to low plasticity, saturated, 10YR 3/1 (very dark gray).			>400 >400		
		SM	Silty, fine SAND with dark oil like substance and lots of industrial debris. Saturated, 10YR 2/1 (black). Debris consists of rubber, glass and scrap metal.		10			
15		SM	Same as above with more oily substance and strong petroleum odor.			>400		RI-SB-67 (17-18) GS Only
20		CH	Fat CLAY with high plasticity, wet, 10YR 3/3 (dark brown).		5	13.5		
25		CH	Same as above with wood debris.			0		
			Boring terminated at total depth of 25' bgs.					

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SOIL BORING LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-68**
US EPA

STARTED: 6/9/25 COMPLETED: 6/9/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241592.63 Feet EASTING: 13447733.10 Feet
G.S. ELEVATION: 574.76 Feet M.P. ELEV:
INITIAL DTW: 4 Feet TOTAL DEPTH: 47.0 Feet
LOGGED BY: Sam Marshall
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		SWG	Moist, very dark grayish brown (10YR 3/2), well graded, fine to coarse SAND, some fine to coarse gravel, little silt.			124.1		RI-SB-68 (0-0.5)
						45.3		
		SWG	Moist, black (5YR 2.5/1), well graded, fine to coarse SAND, some fine to coarse gravel, little silt, trace metal and concrete, subtle petroleum odor.		5	40.3		RI-SB-68 (2-3)
						10.2		
		ML - CL	▼Wet, dark gray (10YR 3/1), silty CLAY and fine to medium SAND, trace gravel, brick and wood. Note: Material mottled and reworked. Likely not native.			11.1		
5		CL - ML	Moist, black (5YR 2.5/1), silty CLAY, little fine to coarse gravel and fine to medium sand. Stiff, high plasticity, and varved.			10.2		RI-SB-68 (5-6)
						76.5		
					5	39.8		
		CL - ML	Silty CLAY, some fine to coarse sand and fine to coarse gravel.			242.1		
		SWG	Moist, gray (10YR 5/1), well graded, fine to coarse SAND, some fine to coarse gravel, trace silt/clay. Stained fill material.			79		
10		SWG	Moist, very dark gray (7.5YR 3/1), well graded, fine to coarse SAND, some fine to coarse gravel, trace silt/clay. Stained fill material.			9.1		
						7.4		
						7.1		
						2.3		
		SW	Wet, very dark gray (7.5YR 2.5), well graded, fine to coarse SAND, little fine to medium gravel, trace silt and concrete.			NR		
15			NO RECOVERY.		9	NR		
						NR		
						NR		
						NR		
		SC - SM	Wet, black (7.5YR 2.5/1), well graded, fine to coarse SAND, some silt/clay, little fine to coarse gravel, trace metal.			0		
20		ML	Wet, light gray (10YR 7/1), SILT and fine to medium SAND, low plasticity, soft.			0		
						0		RI-SB-68 (21-22)
		CL	Moist, dark gray (10YR 4/1), CLAY, some silt, trace fine sand, stiff, high plasticity.			0		
						0		
			SHELBY TUBE TAKEN. No environmental sample collected.			0		RI-SB-68 (23-25)

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-68**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		CL - ML	Moist, grayish brown (10YR 5/3), silty CLAY, some fine to coarse gravel, trace organics and fine to coarse sand, highly mottled, high stiffness, moderate-high plasticity.		10	0 0 0 0 0		
30		CL - ML	Moist, grayish brown (10YR 5/3), silty CLAY, little fine to coarse gravel and fine to coarse sand, soft to moderate stiffness, moderate plasticity.			0 0 0 0 0		
35		CL - ML	Wet, gray (10YR 6/1), silty CLAY, little fine to coarse gravel, trace fine to coarse sand, moderate stiffness and plasticity.		10	0 0 0 0 0		
40		CL - ML	Wet, dark gray (10YR 4/1), CLAY, some silt, trace fine to coarse gravel and fine to coarse sand. Note: several cobbles encountered.		7	0 0 0 0 0 0		
45			END OF BORING AT 47' BGS. TOP OF BEDROCK.			0		
50								

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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SOIL BORING LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-69**
US EPA

STARTED: 6/4/25 COMPLETED: 6/4/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241478.39 Feet EASTING: 13447765.14 Feet
G.S. ELEVATION: 565.94 Feet M.P. ELEV:
INITIAL DTW: 10 Feet TOTAL DEPTH: 20.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	SAMPLE ID
		Pulverized concrete, ABC stone and ballast stone.			RI-SB-69 (0-0.5)
				9.6	RI-SB-69 (1-2)
			5		
				25.5	
		Sandy GRAVEL with some fines and lots of construction debris, dry, 10YR 4/3 (brown).		74.6	
5	GW				
				1.2	
			5		
				25.7	
		Clayey SAND with some gravel, metal scraps and organic material. Moist to wet, 10YR 3/2 (very dark grayish brown).			
				5.4	RI-SB-69 (9-10)
10		▼			
	SC				
			10	19	
15					
				31.6	
		Fat CLAY with moderate to high plasticity and organic materials. Moist to wet, 10YR 4/2 (dark grayish brown / dark yellowish brown).		13.5	
	CH - OH			9.9	
				4.1	
20		Boring terminated at total depth of 20' bgs.			

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-70**
US EPA

STARTED: 6/10/25 COMPLETED: 6/10/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241415.00 Feet EASTING: 13447850.67 Feet
G.S. ELEVATION: 571.54 Feet M.P. ELEV:
INITIAL DTW: 5 Feet TOTAL DEPTH: 30.0 Feet
LOGGED BY: Sam Marshall
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		SW	Moist, very dark grayish brown (10YR 3/2), well graded, fine to coarse SAND and fine to medium GRAVEL, some silt, trace organics.			0		RI-SB-70 (0-0.5)
			Moist, gray (5YR 6/1), well graded, fine to coarse SAND and fine to coarse GRAVEL, little silt and cobbles.			0		RI-SB-70 (1-2)
		SWG			4	39.8		
						25.5		
						201.4		RI-SB-70 (4-5)
5			▼Wet, black (10YR 2/1), well graded, fine to coarse SAND and fine to coarse GRAVEL, little silt. Note: Black stained fill sand observed, chunks of reworked silt/clay, glass, metal and building materials throughout.			338.1		
		SWG			5	2.1		
						1.3		
						2.8		
						1.7		
10			Wet, dark gray (10YR 2/1), well graded, fine to coarse SAND, some fine to coarse gravel, trace silt.			10.1		
		SWG				9.8		
						34.6		
						10.1		
						20.9		

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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SOIL BORING LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan
SOIL BORING NO: **RI-SB-70**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		SWG	Wet, dark gray (10YR 2/1), well graded, fine to coarse SAND, some fine to coarse gravel, trace silt. *(continued)*		10	13.5		
		ML	Wet, black (10YR 2/1), SILT and CLAY, some fine to coarse sand, soft, low plasticity.			12.6		
		ML	Wet, dark reddish brown (5YR 3/2), SILT, little fine sand, Note: Considerable ampunt of organics/roots, mottled, potential top of native material.			9.8		
						0.9		
						0		
20		ML	Wet, gray (7.5YR 6/1), SILT and poorly graded, fine SAND, soft, low to moderate plasticity.			0		
						0		
						0		
						0		
						0		
25		MLS	Wet, dark gray (10YR 4/1), well graded, fine to coarse SAND and SILT, trace fine gravel and seashells.		9	0		
						0		
						0		
						0		
		CL - ML	Wet, dark gray (10YR 4/1), SILT and CLAY, little fine to medum gravel, trace fine to medium sand, moderate stiffness and plasticity.			0		
30			END OF BORING AT 30' BGS.			0		

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-71**
US EPA

STARTED: 6/10/25 COMPLETED: 6/10/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241408.46 Feet EASTING: 13447931.27 Feet
G.S. ELEVATION: 574.66 Feet M.P. ELEV:
INITIAL DTW: 12.5 Feet TOTAL DEPTH: 30.0 Feet
LOGGED BY: Sam Marshall
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		SM	Moist, black (10YR 2/1), fine to coarse SAND, some silt and fine to coarse gravel, trace organics. Trash at botttom.			0		RI-SB-71 (0-0.5)
		GW - SW	Moist, gray (10YR 6/1), well graded GRAVEL and Well graded SAND, trace silt and cobbles.		4.5	0 0		RI-SB-71 (1-2)
		SWG	Moist, dark brown (10YR 3/3), well graded, fine to coarse SAND, some fine to coarse gravel, little silt.			0.1 0.2		
5		GW - SW	Moist, light gray (10YR 7/1), well graded, fine to coarse GRAVEL and SAND, little silt.		5	0.4 0.1 0		
		ML - CL	Moist, dark gray (10YR 4/1), SILT and CLAY, little fine to coarse sand, little fine to coarse gravel. ▼			0 0		RI-SB-71 (8-9)
10						0.4 0.1 5.1		
		ML - CL	Wet, black (10YR 2/1), SILT and CLAY, little fine to coarse sand, trace fine to medium gravel, trace organics, low plasticity.			10.1 9.7		

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-71**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
		ML - CL	Wet, black (10YR 2/1), SILT and CLAY, little fine to coarse sand, trace fine to medium gravel, trace organics, low plasticity. *(continued)*		9	6.2 2.4		
		SM - ML	Wet, black (10YR 2/1), poorly graded, fine SAND and SILT, little clay, trace fine to medium gravel.			1.7 2.2 2.8		
20		SM	Wet, dark gray (10YR 4/1), poorly graded, fine SAND, some silt, trace fine gravel.			0 0 0 0 0		
25		SM	Wet, dark gray (10YR 4/1), fine to coarse SAND, some silt, trace shells.		10	0 0 0 0		
		CL - ML	Wet, dark gray (10YR 4/1), SILTY CLAY, stiff, high plasticity.			0 0		
30						0		

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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SOIL BORING LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-72**
US EPA

STARTED: 6/10/25 COMPLETED: 6/10/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241398.49 Feet EASTING: 13448221.69 Feet
G.S. ELEVATION: 575.99 Feet M.P. ELEV:
INITIAL DTW: 10 Feet TOTAL DEPTH: 25.0 Feet
LOGGED BY: Sam Marshall
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	SAMPLE ID
	SW - GW	Moist, dark brown (10YR 3/3), well graded, fine to coarse SAND and well graded, fine to coarse GRAVEL, trace organics and aggregate material.		0.2	RI-SB-72 (0-0.5)
				2.2	RI-SB-72 (1-2)
	GW - SW	Moist, light gray (10YR 7/1), well graded, fine to coarse GRAVEL and well graded, fine to coarse SAND, trace silt.	5	0.1	
				0.2	
				0.2	
5				0	
	SWG	Moist, light gray (10YR 7/1), well graded, fine to coarse SAND and well graded, fine to coarse GRAVEL, little silt and clay.		0	
				0.2	
				0.2	RI-SB-72 (8-9)
	SW	Moist, dark grayish brown (10YR 4/2), well graded, fine to coarse SAND, some silt/clay, some fine to coarse gravel. Note: Chunks of reworked silt/clay, brick, metal, and wood throughout.		0.8	
10				2.7	
	GW	Wet, dark gray (10YR 4/1), well graded, fine to coarse GRAVEL and CLAY, some silt, little fine to coarse sand. Note: Reworked silt/clay and cobble-sized pieces of asphalt and aggregate.		6.1	
				5.7	
	ML	Wet, black (10YR 2/1), SILT, some fine to medium sand.		9.6	
				10.1	
15			10	10.4	
	ML	Wet, black (10YR 2/1), SILT, some clay, little fine to medium sand, trace fine to medium gravel.		5.5	
				4	
				9.8	
				9.1	
20				3.5	
	ML	Wet, black (10YR 2/1), SILT and CLAY, some fine to medium sand, soft, low plasticity.		4.7	
				2.9	
			5		
				3.4	
	CL - ML	Wet. black (10YR 2/1), CLAY and SILT, little fine to medium sand, trace fine gravel, soft to moderately stiff, medium plasticity.		0	
25					

LITHOLOGIC SAMPLE

ANALYTICAL SAMPLE

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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SOIL BORING LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

SOIL BORING NO: **RI-SB-73**
US EPA

STARTED: 6/10/25 COMPLETED: 6/10/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Abandoned

NORTHING: 241273.47 Feet EASTING: 13447346.70 Feet
G.S. ELEVATION: 574.25 Feet M.P. ELEV:
INITIAL DTW: 4 Feet TOTAL DEPTH: 20.0 Feet
LOGGED BY: Sam Marshall
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
0		SM	Moist, dark brown (10YR 3/3), fine to coarse SAND, some silt, little fine to medium gravel, trace organics.			0		RI-SB-73 (0-0.5)
			Moist, gray (10YR 5/1), well graded, fine to coarse SAND and well graded, fine to coarse GRAVEL, trace silt.			0		RI-SB-73 (1-2)
					4	0		
						0		RI-SB-73 (2.5-3.5)
		SW - GW	▼			0		
5						0		
						0		
					5	0		
		SW	Wet, black (10YR 2/1), well graded, fine to coarse SAND, little fine to coarse gravel, little silt, trace brick, metal, and fabric.			2.4		
						2.2		
10		GW - SW	Wet, black (10YR 2/1), well graded, fine to coarse GRAVEL and well graded, fine to coarse SAND, little silt. Note: Recovery primarily waste (trash, glass, and metal).			0		
						0		
						0		
						0		
		ML	Wet, dark reddish brown (7.5YR 2.5/2), SILT, some clay, little fine to coarse sand. Note: Compacted/decomposed organics and H2S odor.			0		
15					9.5	0		
			Wet, grayish brown (10YR 5/2), CLAY and SILT, little fine to medium gravel and little fine to coarse sand, mottled, stiff, high plasticity.			0		
		CL - ML				0		
						0		
						0		
20						0		

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SOIL BORING LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH SOIL BORING MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-44**
US EPA

STARTED: 5/29/25 COMPLETED: 5/29/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 4 Feet TOTAL DEPTH: 32.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	GW	Well graded, coarse, sandy GRAVEL with some debris, dry, 10YR 5/3 (brown). Saturated at 3.5 bgs.	5	0.1		RI-SB-44 (0-0.5)	0 - 1: Grout
				1.2		RI-SB-44 (1-2)	
						RI-SB-44 (2-3)	1 - 3: Bentonite Seal
5	GP	Poorly graded, coarse, 1-3, angular GRAVEL, saturated, 10YR 4/2 (dark grayish brown / dark yellowish brown).	5	1			
				0		RI-SB-44 (6-7) + GS	3 - 10: Filter Pack
							5 - 10: Screen
	CH	High plasticity, fat CLAY with high plasticity and trace coarse gravel. Moist to dry, 10YR 6/4 (light yellowish brown).				RI-SB-44 (8-9)	
10			5	0			
				0			
	CH	Same as above, but moist to dry.					
15			5	0			
						RI-SB-44 (15-16)	
	CH	Same as above, but completely dry.		0			
20			2.5	0.8			
	CH			0.1			
				0			

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-44**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			Same as above, but completely dry. *(continued)*		0.1			
		CH		2.5	1.8			
					1.1		RI-SB-44 (19-30)	
30			Same as above with some clasts of weathered bedrock and saturated. Limited groundwater conductivity.	1				
		Bedrock	Inferred BEDROCK, due to limited core recovery.					
			Boring terminated at total depth of 32' bgs.					
35								
40								
45								
50								

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-45**

US EPA

STARTED: 5/23/25 COMPLETED: 5/23/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 5 Feet TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	SAMPLE ID
	GWS	Well graded, sandy, coarse (<4.5) GRAVEL, moist, 10YR 3/3 (dark brown).	5	5.5 7.7	RI-SB-45 (0-0.5) RI-SB-45 (1-2)
5	SC	Sandy CLAY with moderate to low plasticity and a 2 gravely lenses at the bottom contact. Wet, 10YR 3/3 (dark brown).	5	0.3 1.1	RI-SB-45 (5.5-6.5)
	CH	Fat CLAY with high plasticity, wet to moist, 10YR 4/4 (dark yellowish brown).		0.1 1.4	
10		Boring terminated at total depth of 10' bgs.			

WELL CONSTRUCTION (From - To Interval, feet bgs)
- 0 - 2: Grout
- 2 - 3: Bentonite Seal
- 3 - 10: Filter Pack
- 5 - 10: Screen

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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MONITORING WELL LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-46**

US EPA

STARTED: 5/29/25 COMPLETED: 5/29/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 7 Feet TOTAL DEPTH: 25.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0	SW	Loose, well graded SAND (fill) with some gravel, trace fines, roots and debris. Dry, 10YR 3/3 (dark brown).	5	1.6 15.3 41		RI-SB-46 (0-0.5) RI-SB-46 (1-2)	0 - 5: Grout
5	SW	Same as above, but wet.	5	36.9 43.9 5.2		RI-SB-46 (6.5-7.5)	5 - 10: Bentonite Sea
10	SW	Thin 6 lens that appears to be an old, chalky, bentonite and grout mixture, creating a perched aquifer. Wet, 10YR 5/1 (gray).	5	3.4 2.5			
15	SW	Same as above the lens, but moist to dry. Still contains some structural debris.	4.5	3.9 3.1		RI-SB-46 (16.5-17.5)	10 - 22: Filter Pack 12 - 22: Screen
20	SW	Same as above, but saturated.	5	3.8			
25	CH	Moderately compacted, fat CLAY with high plasticity, wet, 10YR 4/4 (dark yellowish brown).		28.6			
		Boring terminated at total depth of 25' bgs.					

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site	MONITORING WELL NO: **RI-MW/SB-47**
LOCATION: Trenton, Michigan	US EPA
STARTED: 5/29/25 COMPLETED: 5/29/25	NORTHING: Feet EASTING: Feet
DRILLING COMPANY: Cascade Drilling	G.S. ELEVATION: Feet M.P. ELEV:
DRILLING EQUIPMENT: Minisonic LS-250	INITIAL DTW: 19.5 Feet TOTAL DEPTH: 25.0 Feet
DRILLING METHOD: Sonic, 6-inch diameter	LOGGED BY: Shawn McGuire
SAMPLING METHOD: Macrocore	HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
SURFACE COMPLETION: Steel Stickup	VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0	GW	Sandy, angular, well graded GRAVEL with large amounts of ABC/ballast stone, dry, 10YR 5/2 (grayish brown).	5	6.9		RI-SB-47 (0-0.5)	0 - 2: Grout
						RI-SB-47 (1-2)	
	SW	Well graded SAND with some gravel, fines, and organic material. Moist, 10YR 3/1 (very dark gray). Few sparse plastic clay nodules throughout.		52.8			
5			5	21.7			2 - 9: Bentonite Seal
				84.8			
			5	21.1			
10				15.9			
			5	10.5			9 - 20: Filter Pack
15							10 - 20: Screen
				5.6			
	SW	Encountered concrete structure and debris at 16'-16.5' bgs.	5	3.2			
	SW	▼ Same as above, but saturated at 19' bgs.				RI-SB-47 (19-20)	
20				0.3			
	CH	Fat CLAY with high plasticity, wet, 10YR 4/4 (dark yellowish brown).	5				
				0.5			
25		Boring terminated at total depth of 25' bgs.					

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-48**
US EPA

STARTED: 5/29/25 COMPLETED: 5/29/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 20 Feet TOTAL DEPTH: 40.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			Loose, well graded, sandy, GRAVEL with 0.1-3 clasts and some fines. Dry, 10YR 3/2 (very dark grayish brown). Becomes wet around 9.5' bgs.	5	2.5		RI-SB-48 (0-0.5)	0 - 3: Grout
					2.1		RI-SB-48 (1-2)	
					1.9			
5		GW		5	2.5			3 - 8: Bentonite Seal
					1.4			
					1.1			
10		CL	Small 4 lens of sandy, gravely, CLAY with low permeability, wet to moist, 10YR 3/2 (very dark grayish brown).	5	60.8			8 - 20: Filter Pack
		GW	Loose, well graded, sandy, GRAVEL with 0.1-3 clasts and some fines. Dry, 10YR 3/2 (very dark grayish brown). Large metal object and concrete structure at 15' bgs.		318.4			10 - 20: Screen
15		GW	Small 6 lens of sandy, gravely, CLAY with low permeability, wet to moist, 10YR 3/2 (very dark grayish brown).	4.5	23.5			
		GW	Loose, well graded, sandy, GRAVEL with 0.1-3 clasts and some fines. Dry, 10YR 3/2 (very dark grayish brown).					
20		SW	Well graded SAND with some fine to 1 gravel and trace fines. Dry to moist, 10YR 3/2 (very dark grayish brown).		21.5		RI-SB-48 (19-20)	
		GP	Coarse, 1-4, angular GRAVEL, saturated, 10YR 4/1 (dark gray). High groundwater conductivity.	4	1.3		RI-SB-48 (22-23)	
		CH	Stiff, fat CLAY with high plasticity, saturated, 10YR 4/4 (dark yellowish brown).		2.5			

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-48**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			Stiff, fat CLAY with high plasticity, saturated, 10YR 4/4 (dark yellowish brown). *(continued)*		0.6			
							RI-SB-48 (26-27)	
				5	0.8			
					3.2			
30		CH						
					1.1			
				5	4.4			
							RI-SB-48 (34-35)	
35			Partially weathered BEDROCK with some clay, saturated, 10YR 7/2 (light gray).		4			
					2.6			
				3.5				
					4.1			
40			Boring terminated at total depth of 25' bgs.					
45								
50								

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-49**

US EPA

STARTED: 6/2/25 COMPLETED: 6/2/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 10 Feet TOTAL DEPTH: 20.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0	GM	Silty SAND with some sand, roots and a strong chemical odor, dry, 10YR 4/3 (brown).	5	11.8		RI-SB-49 (0-0.5)	0 - 2: Grout
						RI-SB-49 (1-2)	
				3.4			
				3.4			
5			4.25	2.9			2 - 9: Bentonite Seal
				1		RI-SB-49 (9-10)	
				0.5			
10			3	0.5			
	GP	Very coarse, poorly graded, angular GRAVEL, saturated, 10YR 4/1 (dark gray).		0.8			
				1.1			9 - 20: Filter Pack
15			4.25				10 - 20: Screen
				0.8			
	CH	Fat CLAY with high plasticity, saturated, 10YR 4/2 (dark grayish brown / dark yellowish brown).		1.5			
20		Boring terminated at total depth of 20' bgs.					

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-50**
US EPA

STARTED: 6/2/25 COMPLETED: 6/2/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 5 Feet TOTAL DEPTH: 25.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	GC	Coarse grained, silty, clayey GRAVEL with roots, dry, 10YR 6/4 (light yellowish brown).	4.5	0.3		RI-SB-50 (0-0.5)	0 - 2: Grout
						RI-SB-50 (1-2)	
		Pulverized, fractured concrete.		6.7			
5	GW - GC	Clayey GRAVEL with some sand, moist to wet, 10YR 3/3. Perched, saturated zone at 5.5' bgs. Increased clay lenses and decreased moisture with depth.	4.5	9.4			2 - 9: Bentonite Seal
				3.5			
				76.2			
				182.3			9 - 15: Filter Pack
10	SW - SM	Gradational contact into silty, gravel, fine SAND with, fractured brick debris, saturated, 10YR 2/2 (very dark brown / dusky yellowish brown). Increasing fines, decreasing gravel and moisture with depth.					10 - 15: Screen
				117.2			
15			4.25	25.5			
				15.7			
	SP	Well graded, medium grained SAND with friable, weathered concrete debris. Wet, 10YR 6/1 (gray).		11.2		RI-SB-50 (19-20)	
20	CLG	Inferred contact into loose, sandy CLAY with low plasticity and some gravel. Saturated, 10YR 4/1 (dark gray).	5	10.5			
	CH	Fat CLAY with high plasticity, saturated, 10YR 4/1 (dark gray).		4.8			
25		Boring terminated at total depth of 25' bgs.					

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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MONITORING WELL LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-51**
US EPA

STARTED: 5/30/25 COMPLETED: 5/30/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 10 Feet TOTAL DEPTH: 35.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		GW	Organic topsoil with plant roots and debris, dry, 10YR 3/3 (dark brown).		76.2		RI-SB-51 (0-0.5)	0 - 2: Grout
		GW	Well graded sandy GRAVEL with some fines, dry, 10YR 5/2 (grayish brown).				RI-SB-51 (1-2)	
			Encountered pulverized concrete at 2' bgs.		32.4			
5				8	1.7			2 - 8: Bentonite Seal
			Encountered brick structure and debris at 6.5' bgs.		1.1			
		SW	Gradational contact into well graded SAND containing some gravel, fines, scrap metal and debris. Dry, 10YR 2/2 (very dark brown / dusky yellowish brown).		148.8		RI-SB-51 (9-10)	
10		GP	Gradational contact into loose, poorly graded, coarse GRAVEL containing 1-6 rocks, scrap metal and other debris. Saturated, 10YR 5/2 (grayish brown). Large amount of void space containing groundwater.Formation collapsed frequently.	1.5	19.2			8 - 20: Filter Pack
15							RI-SB-51 (15-16) + GS	10 - 20: Screen
		GP	VOID. Inferred as same as above.	0.5	0.4			
		GP	Same as above.		0.5			
20		CH	Fat CLAY with high plasticity and trace gravel. Saturated, 10YR 6/1 (gray).	5	0.2		RI-SB-51 (21-22)	
		CH	Same as above but reduced moisture.		0.5			

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-51**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		CH	Same as above but reduced moisture. *(continued)*	2		■	RI-SB-51 (25-26)	
			Same as above, but color changed to 10YR 6/4 (light yellowish brown).		1.6			
				2	3			
		CH		1	1.1			
30				2				
					3	■	RI-SB-51 (31-32)	
			Partially weathered BEDROCK with some clay, saturated, 10YR 7/2 (light gray).	2.4		■	RI-SB-51 (32-33) + GS	
					1.1			
35			Solid BEDROCK.					
			Boring terminated at total depth of 35' bgs.					
40								
45								
50								

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-52**

US EPA

STARTED: 5/23/25 COMPLETED: 5/23/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 3.5 Feet TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 4 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	SC	Low, plasticity, clayey SAND with some gravel, moist, 10YR 3/3 (dark brown).	6.5	3.8		RI-SB-52 (0-0.5)	0 - 2: Grout
	SWG	Well graded, gravely SAND (fill) with some silt and debris. 1-5 gravel clasts, dry, 10YR 3/3 (dark brown).		0		RI-SB-52 (1-2)	
						RI-SB-52 (2-3)	2 - 3: Bentonite Seal
	GW - GM	Well graded sandy GRAVEL (fill) with silt and 1-6 gravel clasts. Saturated, ▼	1.75	9.9			
5				1.1			
	SM	Fine grained, silty SAND with no gravel, wet, 10YR 2/1 (black).	4	1.8			3 - 10: Filter Pack
	CH	Fat CLAY, with high plasticity, moist, 10YR 4/2 (dark grayish brown / dark yellowish brown).		0.2			5 - 10: Screen
				0.7			
10		Boring terminated at total depth of 10' bgs.					

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site	MONITORING WELL NO: **RI-MW/SB-53**
LOCATION: Trenton, Michigan	US EPA
STARTED: 6/2/25 COMPLETED: 6/2/25	NORTHING: Feet EASTING: Feet
DRILLING COMPANY: Cascade Drilling	G.S. ELEVATION: Feet M.P. ELEV:
DRILLING EQUIPMENT: Minisonic LS-250	INITIAL DTW: 15 Feet TOTAL DEPTH: 20.0 Feet
DRILLING METHOD: Sonic, 6-inch diameter	LOGGED BY: Shawn McGuire
SAMPLING METHOD: Macrocore	HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
SURFACE COMPLETION: Steel Stickup	VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	GW	Well graded GRAVEL with pulverized concrete, ballast stone, debris and scrap metal. Dry, 10YR 5/2 (grayish brown).	5	10		RI-SB-53 (0-0.5)	0 - 3: Grout
				88.9		RI-SB-53 (1-2)	
5				44			3 - 6: Bentonite Seal
			5	28.2			
	SMG	Well graded, fine grained, silty SAND with large rocks, brick fragments and scrap metal. Moist, 10YR 4/2 (dark grayish brown / dark yellowish brown).		50.4			
10				17.6			6 - 18: Filter Pack
				7.2			8 - 18: Screen
15			9	15.5		RI-SB-53 (14-15)	
	CLG	Sandy, gravely, CLAY with low to moderate plasticity and low permeability. Saturated, 10YR 7/1 (light gray).		3			
	GP	Poorly graded, large grained (>3), cobblestone GRAVEL with clay staining, saturated, 10YR 3/1 (very dark gray). High groundwater productivity.					
	OH	Fat CLAY with high plasticity and organic rich. Wet, 10YR 3/1 (very dark gray). Contained wood, and peat-like marsh material. Decreasing organics with depth.		1.4			
20		Boring terminated at total depth of 10' bgs.					

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MONITORING WELL LOG

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STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-55**
US EPA

STARTED: 6/3/25 COMPLETED: 6/3/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 9.5 Feet TOTAL DEPTH: 35.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		SWG	Loose, gravely SAND (fill) with debris, dry, 10YR 6/3 (pale brown).		1.5		RI-SB-55 (0-0.5)	
		GW	Loose, well graded, angular, sandy GRAVEL (fill) with some debris, 10YR 5/3 (brown).	5			RI-SB-55 (1-2)	0 - 3: Grout
		GW	Same as above, color changed to 10YR 5/2 (grayish brown).		10.1			
		GW			164.9			
5			Same as above, color changed to 10YR 2/2 (very dark brown / dusky yellowish brown).					
		GP	Loose, poorly graded, subangular, coarse (1-4), GRAVEL with some fines, moist, 10YR 2/2 (very dark brown / dusky yellowish brown).	5	3.2			3 - 9.5: Bentonite Seal
					0.7		RI-SB-55 (8-9)	
10		GP	Same as above, but saturated. Trace increase of silt/clay.		0.1			
					0.2			
		GC	Gradational contact into a clayey, coarse, GRAVEL with some scrap metal and debris. Saturated, 10YR 2/2 (very dark brown / dusky yellowish brown). Increasing fines with depth.	9.5	6.2			9.5 - 22: Filter Pack
15					0.4			12 - 22: Screen
					3			
20		GP	Coarse, subrounded, poorly graded, GRAVEL, saturated, 10YR 5/2 (grayish brown). Very good groundwater conductivity.		4.4			
					10.4			
		CLS	Loose, clayey SAND to sandy CLAY, saturated, 10YR 5/2 (grayish brown).		2.2			

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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MONITORING WELL LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-55**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		CLS	Loose, clayey SAND to sandy CLAY, saturated, 10YR 5/2 (grayish brown). *(continued)*	9	4.4		RI-SB-55 (25-26) GS Only	
					3.7		RI-SB-55 (28.5-29.5)	
30		CH	Fat CLAY, with high plasticity and trace gravel, wet, 10YR 5/1 (gray).	4.25	5.3		RI-SB-55 (31-32)	
							RI-SB-55 (33-34)	
			Partially weathered BEDROCK, with clay, 10YR 7/1 (light gray).		92.5			
35								
40								
45								
50								

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-57**
US EPA

STARTED: 6/4/25 COMPLETED: 6/4/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 19 Feet TOTAL DEPTH: 25.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	SWG	Well graded gravely SAND with roots and debris. Dry, 10YR 5/3 (brown).		29.8		RI-SB-57 (0-0.5)	
	SW - SC	Well graded, gravely SAND (fill) with Interbedded 0.5'-1' layers of fat CLAY, dry, 10YR 3/2 (very dark grayish brown).				RI-SB-57 (1-2)	0 - 3: Grout
	SW - SC	0.5' layer of clay		55.8			
5	SW - SC	1' layer of clay	10	276.3			3 - 8: Bentonite Seal
	SW - SC	1' layer of clay		362.1 145.8			
10	SM	Silty fine SAND, moist, 10YR 3/2 (very dark grayish brown).		375.4 168.6			
				>400			8 - 20: Filter Pack
15	SM	Same as above but wet.	10	>400			10 - 20: Screen
				>400		RI-SB-57 (18-19)	
20	SM	Same as above but saturated.	2	269.7			
	CH	Fat clay with high plasticity, wet, 10YR 6/3 (pale brown).		143 >400			
25		Boring terminated at total depth of 25' bgs.					

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MONITORING WELL LOG

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STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-58**
US EPA

STARTED: 6/5/25 COMPLETED: 6/5/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 13 Feet TOTAL DEPTH: 25.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
0		GC	Clayey GRAVEL with some sand and clay lenses. Wet (from rain), 10YR 4/4 (dark yellowish brown).	5	8		RI-SB-58 (0-0.5)	0 - 2: Grout
					4.7		RI-SB-58 (1-2)	
					2.6			
5		CH	Gravely CLAY with moderate to high plasticity and up to 2 clasts. Wet, 10YR 4/4 (dark yellowish brown).	5	6			2 - 10: Bentonite Sea
					15.9			
			Pulverized asphalt.		3.9			
10		CL	Tight, fine grained, sandy CLAY with low plasticity, wet, 10YR 2/2 (very dark brown / dusky yellowish brown).	10	16.6			10 - 20: Filter Pack
		SM	Loose, fine grained, silty SAND, wet to saturated, 10YR 2/2 (very dark brown / dusky yellowish brown).		4.3			
15					246.6			
					220			13 - 23: Screen
					26.6		RI-SB-58 (18-19)	
20					23.4			
				4.25	7.3			
		CH	Fat CLAY with high plasticity and trace sand. Saturated, 10YR 6/3 (pale brown).		5.1			
25			Boring terminated at total depth of 25' bgs.					

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site	MONITORING WELL NO: **RI-MW/SB-59**
LOCATION: Trenton, Michigan	US EPA
STARTED: 6/3/25 COMPLETED: 6/3/25	NORTHING: Feet EASTING: Feet
DRILLING COMPANY: Cascade Drilling	G.S. ELEVATION: Feet M.P. ELEV:
DRILLING EQUIPMENT: Minisonic LS-250	INITIAL DTW: 9 Feet TOTAL DEPTH: 30.0 Feet
DRILLING METHOD: Sonic, 6-inch diameter	LOGGED BY: Shawn McGuire
SAMPLING METHOD: Macrocore	HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
SURFACE COMPLETION: Steel Stickup	VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 3 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	GW - GM	Silty, sandy, well graded GRAVEL, with up to 4 clasts, debris, and metallic pellets. Dry, 10YR 4/2 (dark grayish brown / dark yellowish brown).	3	4.6		RI-SB-59 (0-0.5)	0 - 2: Grout
						RI-SB-59 (1-2)	
5			3.75	4.3			2 - 9: Bentonite Seal
				3.8			
				2.3			
	SW	Well graded, gravely SAND with some fines, moist, 10YR 3/3 (dark brown).				RI-SB-59 (4-5)	
10	GC	Pulverized, fractured (up to 5), concrete with some clay and sand. Saturated, 10YR 8/1 (white). Some layers of concrete are wider than the core barrel. *Similar to a clayey gravel in composition.	3.75	1			
				1.3			
	CH	4 plastic clay layer at 13 bgs.	0.5	0		RI-SB-59 (17-18) GS Only	9 - 20: Filter Pack
15							10 - 20: Screen
				0.5			
			5	0.8			
20				0.4			
				0.2			
	CH	Fat CLAY, with high plasticity, wet, 10YR 7/2 (light gray).	3			RI-SB-59 (14-25)	

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

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MONITORING WELL LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-59**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 3 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		CH	Fat CLAY, with high plasticity, wet, 10YR 7/2 (light gray). *(continued)*		0			
		BR	Solid BEDROCK (dolomitic limestone).	4	1.2			
30			Boring terminated at total depth of 30' bgs.					
35								
40								
45								
50								

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MONITORING WELL LOG

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STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-61**
US EPA

STARTED: 6/7/25 COMPLETED: 6/7/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 9 Feet TOTAL DEPTH: 40.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	SW	Loose, well graded, SAND with some gravel, fines and demolished brick debris. Wet from rain, 10YR 3/3 (dark brown).		0.6		RI-SB-61 (0-0.5)
			5	1.7		RI-SB-61 (1-2)
		Accumulation of 0.5, iron rich, oxidized, spherical balls or pellets with a small amount of clay in the void spaces. Possibly a byproduct of old steel production facility, such as taconite. Saturated		2.6		
5			3			
		Well graded, fine SAND with some, 1-3 gravel, some fines and containing wood debris. Wet to moist, 10YR 2/2 (very dark brown / dusky yellowish brown). Resembles old marsh soils.		15.2		RI-SB-61 (7-9)
		▼		21.4		
10	SW	Same as above, but saturated. Decreasing debris and increasing fines with depth.	1	14		
				21.7		
		Drilled though large, >4 piece of wood at 12' bgs.		12.9		
	SW					
	SW					
15			2	42		
	SW	Strong hydrocarbon like odor.				
		Drilled through 1 layer of fabric like carpet or a rug.		25.5		
	SW			14.2		
20			3	4.4		
		Fat CLAY, with high plasticity and some sand at the upper contact. Wet, 10YR 7/1 (light gray). Trace pebbles spread throughout.				RI-SB-61 (21-22)
	CH			0.5		

WELL CONSTRUCTION (From - To Interval, feet bgs)
- 0 - 1: Grout
- 1 - 14: Bentonite Sea
- 14 - 21: Filter Pack
- 16 - 21: Screen

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-61**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			Fat CLAY, with high plasticity and some sand at the upper contact. Wet, 10YR 7/1 (light gray). Trace pebbles spread throughout. *(continued)*	5	0.4			
							RI-SB-61 (26-27)	
					0.3			
30				5				
		CH			0.2			
35				2.5				
					0.4		RI-SB-61 (36-37)	
			Partially weathered and pulverized BEDROCK, with clay, wet.	0.5				
40			Boring terminated at total depth of 40' bgs.					
45								
50								

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MONITORING WELL LOG

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STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-62**
US EPA

STARTED: 6/9/25 COMPLETED: 6/9/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: NR Feet TOTAL DEPTH: 10.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 3 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		SW	Loose, well graded, SAND with some gravel, fines and demolished brick debris. Wet from rain, 10YR 3/3 (dark brown).	3	0.6 1.7			0 - 1: Grout 1 - 3: Bentonite Seal
5			Accumulation of 0.5, iron rich, oxidized, spherical balls or pellets with a small amount of clay in the void spaces. Possibly a byproduct of old steel production facility. Saturated	3	2.6 15.2			3 - 10: Filter Pack 5 - 10: Screen
10		SW	Well graded, fine SAND with some, 1-3 gravel, some fines and containing wood debris. Wet to moist, 10YR 2/2 (very dark brown / dusky yellowish brown). Resembles old marsh soils.	1	21.4 14			

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-62**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 3 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			Well graded, fine SAND with some, 1-3 gravel, some fines and containing wood debris. Wet to moist, 10YR 2/2 (very dark brown / dusky yellowish brown). Resembles old marsh soils. *(continued)*		21.7			
					12.9			
					0.5			
15				2	42			
		SW			25.5			
					14.2			
20				3	4.4			
			Boring terminated at total depth of 21' bgs.					

CDM Smith
535 Griswold Street
Suite 930
Detroit, Michigan 48226
Telephone: 212-785-9123

MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-74**
US EPA

STARTED: 6/5/25 COMPLETED: 6/6/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 12 Feet TOTAL DEPTH: 35.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 3 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
			Well graded, gravely SAND with some fines and trave purple coloring. Moist, 10YR 3/3 (dark brown).	3	2.6 1.4		RI-SB-74 (0-0.5) RI-SB-74 (1-2)	0 - 3: Grout
		SWG			1.1			
5		SWG	Same as above but dry.	4.5	0.3			
			Drilled through a roughly 1' layer of red brick.		5.2			
			Pulverized rock or concrete, dry, 10YR 7/1 (light gray).		15			
10		CL	Sandy CLAY, with low plasticity, and some gravel. Wet, 10YR 3/3 (dark brown). Semi-confining layer.	3.75	5			
		SWG	Gradational contact into a well graded, gravely SAND with some fines, moist, 10YR 3/3 (dark brown).				RI-SB-74 (11-12)	
			Pulverized rock or concrete, dry, 10YR 7/1 (light gray).		6.7			3 - 23: Bentonite Sea
15		SP	Loose, poorly graded, fine SAND with trace fines and trace clasts. Saturated, 10YR 3/2 (very dark grayish brown). Poor drilling recovery and collapsing due to the loose nature of the poorly graded sand. Soils were classified based on split-spoon recovery when, nothing was recovered by the sonic barrel.	1.5	1.8			
20				2				
		SP	Same as above with some seashells, indicating natural soil.					

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-74**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 3 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
		SP	Same as above with some seashells, indicating natural soil. *(continued)*	0				23 - 30: Filter Pack 25 - 30: Screen
				0				
30		CH	Fat CLAY with high plasticity and trace sand. Saturated, 10YR 5/2 (grayish brown).	2.5				
			Partially weathered BEDROCK with trace clay, saturated, 10YR 7/2 (light gray).		1.2			
35			Boring terminated at total depth of 35' bgs.					
40								
45								
50								

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

CDM Smith
535 Griswold Street
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Detroit, Michigan 48226
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MONITORING WELL LOG

PROJECT NO. 281860

PROJECT: McLouth Steel Corp Superfund Site
LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW/SB-75**
US EPA

STARTED: 5/27/25 COMPLETED: 5/27/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 10 Feet TOTAL DEPTH: 15.0 Feet
LOGGED BY: Shawn McGuire
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 5 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID
	GP	Angular, coarse, 1-4, railroad ballast stone GRAVEL. Wet to moist from rain, 10YR 5/2 (grayish brown).	5	4.9 0 0		
5	GW	Well graded, sandy GRAVEL with some fines, moist, 10YR 2/2 (very dark brown / dusky yellowish brown).		14.1		RI-SB-75 (4-5)
	SM	Gradational contact into a loose, silty SAND with some gravel and petroleum odor. Moist, 10YR 2/2 (very dark brown / dusky yellowish brown).	10	23.7 26 16.5		RI-SB-75 (9.5-10.5)
10	GW	Well graded, coarse, <1, subangular, GRAVEL, saturated,10YR 5/1 (gray). Very conductive aquifer.		5.5		
	SW	Well graded SAND with trace lenses of fines, wet, 10YR 2/2 (very dark brown / dusky yellowish brown).	15	11.5 13.4		
15	CH	Compacted, fat CLAY with high plasticity, wet, 10YR 5/2 (grayish brown).				
		Boring terminated at total depth of 15' bgs.				

WELL CONSTRUCTION (From - To Interval, feet bgs)
- 0 - 3: Grout
- 3 - 8: Bentonite Seal
- 8 - 15: Filter Pack
- 10 - 15: Screen

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Telephone: 212-785-9123

MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

PROJECT: McLouth Steel Corp Superfund Site

LOCATION: Trenton, Michigan

MONITORING WELL NO: **RI-MW-16R**

US EPA

STARTED: 10/3/25 COMPLETED: 10/3/25
DRILLING COMPANY: Cascade Drilling
DRILLING EQUIPMENT: Minisonic LS-250
DRILLING METHOD: Sonic, 6-inch diameter
SAMPLING METHOD: Macrocore
SURFACE COMPLETION: Steel Stickup

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
INITIAL DTW: 8 Feet TOTAL DEPTH: 20.5 Feet
LOGGED BY: Jason Wagenmaker
HORIZONTAL DATUM: NAD 1983, COORD. SYS.: State Plane MI South FIPS 2
VERTICAL DATUM:

DEPTH (feet)	USCS	DESCRIPTION (Sampler Length: 10 Feet)	RECOV. (feet)	PID (ppm)	ANALYTICAL SAMPLE	SAMPLE ID	WELL CONSTRUCTION (From - To Interval, feet bgs)
	SW	Moist, very dark grayish brown (10YR 3/2), well graded, fine to coarse SAND and SILT, little fine to coarse gravel.		0.3 0.6 1 1			0 - 2: Grout
5	ML	Moist, very dark gray (10YR 3/1), SILT, little fine to medium sand, soft.		1.4 4.8			2 - 8: Bentonite Seal
	SP	Wet, black (10YR 2/1), poorly graded, fine SAND, little fine to medium gravel. Note: Foul odor. ▼		2.6 6.8 6.6			
10	GW	Wet, dark gray (10YR 4/1), well graded, fine to coarse GRAVEL, some clay.		2.9 1.2 1			
	SP	Wet, black (10YR 2/1), poorly graded, fine SAND, some fine to medium gravel. Note: Strong odor and staining throughout.		19.7 16 37.6			8 - 20: Filter Pack
15				43.8 16.8 47.1			10 - 20: Screen
20				20 13.1			

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MONITORING WELL LOG

PROJECT NO. 281860

STANDARD LOG: MCLOUTH - SONIC W. WELL MCLOUTH_Y2 - 1-19-2026.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 1/21/26 REV.

INSTRUMENT QC/ PACKING LIST

Description	RAE Systems MiniRAE 3000
Instrument ID	377IS
Lamp Voltage	☒ 10.6 eV ☐ 11.7 eV ☐ 9.8 eV
Date Calibrated	5/19/25

PINE
www.pine-environmental.com

Standard Items	**Prepared**	**QC check**	**Received by customer**	**Returned to Pine**
MiniRAE 3000 with carry case	✓	✓		
Rechargeable battery (installed)	✓	✓		
Protective rubber boot	✓	✓		
Manual	✓	✓		
Quick reference card	✓	✓		
Probe tip	✓	✓		
Charger/ adapter, or charger and cradle	X	✓		
(2) Hydrophobic filters	✓	✓		
Alkaline adapter with (4) AA alkaline batteries installed	✓	✓		
ProCal calibration sheet	✓	✓		
Supporting Items				
100 ppm isobutylene calibration gas				
Gas regulator, 1.0 LPM				
T-fitting calibration adapter				
Datalogging software				
Communications cable				
*100 ppm Isobutylene SDS				
✓ *Must match cylinder with setup*				
**SDS provided upon request*				
Spare alkaline battery pack				
_____Alkaline AA batteries				
_____				

Prepared by: QC
QC checked by: DM
Date: 5-19-25

This packing list is to ensure that every item needed to operate the unit was sent and received. Upon receiving a shipment, please fill out the "Received by customer" column. Call Pine within 24 hours of receiving the equipment if any pieces are missing, damaged, or malfunctioning. Thank you for choosing Pine Environmental Services LLC

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
43334 Seven Mile Rd. Suite 400 Northville MI 48167

Pine Environmental Services, Inc.

Instrument ID 33300
Description .
Calibrated 5/19/2025 9:21:16AM

Manufacturer Rae Systems
Model Number MiniRAE 3000
Serial Number/ Lot Number 592-915333
Location Detroit
Department

State Certified
Status Pass
Temp °C 20
Humidity % 44

Calibration Specifications

Group # 1
Group Name Isobutylene
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	PPM	100.00	PPM	104.20	100.10	0.10%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date / Opened Date
IL ISOBUTYLEN 100 PPM (31721)	IL ISOBUTYLEN 100 PPM (31721)	Airgas	(31721) ISOBUTYLEN 100 PPM	304-403206507 -1	12/5/2028

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Aiden Carr

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT QC/ PACKING LIST

Description	RAE Systems MiniRAE 3000
Instrument ID	33306
Lamp Voltage	☒ 10.6 eV ☐ 11.7 eV ☐ 9.8 eV
Date Calibrated	5/19/25

PINE

www.pine-environmental.com

Standard Items	**Prepared**	**QC check**	**Received by customer**	**Returned to Pine**
MiniRAE 3000 with carry case	✓	✓		
Rechargeable battery (installed)	✓	✓		
Protective rubber boot	✓	✓		
Manual	✓	✓		
Quick reference card	✓	✓		
Probe tip	✓	✓		
Charger/ adapter, or charger and cradle	✓	✓		
(2) Hydrophobic filters	✓	✓		
Alkaline adapter with (4) AA alkaline batteries installed	✓			
ProCal calibration sheet	✓	✓		
Supporting Items				
100 ppm isobutylene calibration gas				
Gas regulator, 1.0 LPM				
T-fitting calibration adapter				
Datalogging software				
Communications cable				
*100 ppm Isobutylene SDS				
✓ *Must match cylinder with setup*				
**SDS provided upon request*				
Spare alkaline battery pack				
_____Alkaline AA batteries				

Prepared by: CC

QC checked by: DM

Date: 5-19-25

This packing list is to ensure that every item needed to operate the unit was sent and received. Upon receiving a shipment, please fill out the "Received by customer" column. Call Pine within 24 hours of receiving the equipment if any pieces are missing, damaged, or malfunctioning. Thank you for choosing Pine Environmental Services LLC

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
43334 Seven Mile Rd. Suite 400 Northville MI 48167

Pine Environmental Services, Inc.

Instrument ID 37715
Description MIniRae 3000
Calibrated 5/19/2025 9:24:02AM

Manufacturer Rae Systems
Model Number PGM7320
Serial Number/ Lot Number 592-919938
Location Detroit
Department ENV

State Certified
Status Pass
Temp °C 20
Humidity % 44

Calibration Specifications

Group # 1
Group Name Isobutylene
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	PPM	100.00	PPM	105.20	100.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
IL ISOBUTYLEN 100 PPM (31721)	IL ISOBUTYLEN 100 PPM (31721)	Airgas	(31721) ISOBUTYLEN 100 PPM	304-403206507-1		12/5/2028

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Aiden Carr

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): PRODSS YSI 21D22162 | 51289

Manufacturer: Xylem

Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 5/20/25
(signature/date)

Calibration Date	Initial Setting	Standard/ ~~Gas Used~~ (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
~~5/20~~			51289				~~PM~~ PM
5/20	127.86 ~~46.5~~ PM NTU	126 NTU Turb	25B2401 8992 02/26	—	126 NTU	P	PM
5/20	~~2.2~~ PM 1.155 MS/cm	1.413 ms/cm conductivity	10/25 4GJ1746	calibrated	1.413 ms/cm	P	PM
5/20	~~42.8~~ PM 247.2 mV	240 mV ORP	8/25 4GK1268	↓	240 mV	P	PM
5/20	~~6.55~~ PF 3.94	PH 4	01/27 5GA0869	↓	3.90	P	PM
5/20	6.~~97~~	PH 7	11/26 4GK0202	↓	6.97	P	PM
5/20	10.07 ~~6.55~~ PF	PH 10	01/27 5GA0867	↓	10.02	P	PM
5/21	4.10 PH	PH 4	2401881 04/26	↓	4.08	P	AB
5/21	6.90	PH 7	4GK0202	↓	6.98	P	AB
5/21	9.90	PH 10	5GA0867	↓	9.96	P	AB
5/21	~~239.6~~ AM 238.7	240.0 mV	4GK1268	↓	239.6	P	AB
5/21	2000 ms/cm	1413 ms/cm	4GI1746	↓	1409	P	AB
5/21	239.3 mV	240.0 mV	4GK1268	↓	239.5	P	AB

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): PID MiniRAE 3000+ 33300 | 592-915333 Manufacturer: Honeywell Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 5/20/25 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
5/20	0.0 ppm	fresh air/0	33300	none	0.0 ppm	no cal gas pass	PM
~~5/21~~	0						
5/22	0.0 ppm	fresh air/0	33300	none	0.0 ppm	pass	PM
5/22	—	100 ppm C_4H_8	33300	none	—	100.3 ppm pass	PM

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): PID MiniRAE 3000+ 33300 | 592-915333 Manufacturer: Honeywell Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 5/20/23 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
5/20	0.0 ppm	fresh air/0	33300	none	0.0 ppm	no cal gas pass	PM
~~5/21~~	0						
5/22	0.0 ppm	fresh air/0	33300	none	0.0 ppm	pass	PM
5/22	—	100 ppm C_4H_8	33300	none	—	100.3 ppm pass	PM
5/27	~~0.0 ppm~~ sw	100 ppm C_4H_8	304-4032841541 3/15/2024	Yes	99.6 ppm	100 ppm pass	SM
5/27	0.0 ppm	Fresh Air	33300	none	0.0 ppm	pass fresh air	SM
5/29	0.0 ppm	100 ppm cal	304-4032841541 3/15/2024	Yes	99.8	100 ppm pass	SM
5/29	0.0	Fresh Air	33300	none	0.0 ppm	pass	SM
5/30	—	100 ppm C_4H_8	304-4032841541 3/15/2024	none	100 ppm	100 ppm pass	SM
5/30	0.0 ppm	Fresh Air	33300	none	0.0 ppm	pass	SM
6/2	0.0 ppm	Fresh Air	33300	none	0.0 ppm	pass	SM
6/2	—	100 ppm C_4H_8	304-4032841541 3/15/2024	none	100 ppm	pass	SM

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): 33300 Manufacturer: Rae System Rental Company: PINE

Upon receipt, all parts are included and this instrument is in working order: _____ (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6-3-2025	0.0 ppm	Fresh air	33300	none	0.0 ppm	Pass	SM
6-3-2025	—	100 ppm C4H8	304-4032841154-1 3/15/2029	none	100 ppm	Pass	SM
6-4-2025	0.0 ppm	Fresh air	33300	none	0.0 ppm	Pass	SM
64-2025	—	100 ppm C4H8	304-4032841154-1	none	100 ppm	Pass	SM

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): miniRAE PID 37754 Manufacturer: MiniRAE Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/9/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/9/25	100	100ppm ISO	304-4032841 5-4-1	N	100.1	P	[signature]
6/16/25	100	ISO/100	"	None	99.8	Pass	[signature]

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): PDO DSS / # 211369 Manufacturer: YSI PRO DSS Rental Company: Pine.

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/9/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/9/25	None	0 Rinse 124 NTU	4/2026 240, 831 6/25 / 24 # 240	None	0.1 124.2	PASS	JZ
	/	Cond. 1.413	9/25 14 MG 4610516	None.	1.413	PASS	JZ
	/	ORP 240		None	240.1	PASS	JZ
	/	pH 4 7 10	10/26 4631493 9/26 4610515 9/26 4610513	None	4.1 7.3 10.2	PASS	JZ
6/10/25	None	0 10 NTU	"	None		PASS	JZ
	/	Cond 1.413	"	None	0.0 123.9	PASS	JZN
	/	ORP 240	"	None	1.412	PASS	JZN
	/	pH 4 7 10	"	None	240.3 4.0 7.3	PASS	JZN
6/11/25	None	0 NTU 124 NTU	"	None	9.99	PASS	JZN
		3M Cond 1.413	"	None	0.1 123.9	PASS	JZN
		ORP 240	"	None	239.9	PASS	JZN
		pH 4 7 10	"	None	5.09 7.02 10.0	PASS	JZN

REV 12/22

McLouth Steel Corp Superfund Site

Instrument Calibration Log

RAE Systems .MultiRAE + (4 gas + PID)

Calibration Completed By	Date	Rental Company	Rental Company Number	Instrument Serial Number	Time Instrument On[1]	Warm Up 5 to 10 Minutes[2]
J. Wagenaar	6/11/25	Pine	38060	—	0730	yes

Calibration Gas	Manufacturer	Lot No./Expiration Date	Concentration(s)
—	—	—	CO: — H_2S: — LEL: — O_2: —
ISOBUTYLENE	Pine	304-4032841541 3/15/29	Isobutylene: 100ppm

Fresh Air Calibration	Carbon Monoxide (CO) Reading	VOC[3] Reading (zero)	H_2S Reading (zero)	LEL Reading (zero)	Oxygen (O_2)
Expected Reading[4]	Zero	Zero	Zero	Zero	20.9%
Actual Reading	—	0.0	—	—	—

Multiple Sensor Calibration	CO Reading	H_2S Reading	LEL Reading	O_2 Reading	VOC Sensor Calibration	VOC Reading
Expected Reading[5]	—	—	—	—	Expected Reading	100 ppm
Actual Reading	—	—	—	—	Actual Reading	100 ppm

Instrument OK? YES (Calibration Completed) NO (Problem with instrument, detail in comments)

Calibration Check[6]	Completed (Circle one): YES NO		
Time:	Date:	Calibration Completed By:	
Calibration Gas	Same as Above (Circle one)? YES NO (IF NO COMPLETE INFORMATION BELOW)		
	Manufacturer	Lot No./Expiration Date	Concentration(s)
			CO: H_2S: LEL: O_2:
			Isobutylene:

[1] Note time instrument is turned on for initial warm up

[2] While instrument is warming up, make sure inlet tubing is connected to a hydrophobic filter and fill one Tedlar bag with isobutylene and one with four gas mix

[3] VOC – volatile organic compounds, H_2S – hydrogen sulfide, LEL – lower explosive limit

[4] Instruments should read zero after fresh air calibration is complete, write down actual readings below headings

[5] Write concentration from calibration gas on this line

[6] Complete at the end of the day

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI Pro DSS SN: 44738 Manufacturer: YSI Rental Company: Pihe

Upon receipt, all parts are included and this instrument is in working order: Adam Marshall / 6/11/2025 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/11/2025	4.14	pH 4 buffer solution	5GA0869 1/27	Calibrated	4.00	Pass	AM
6/11/2025	7.04	pH 7	4GK0202 11/26	Calibrated	7.01	Pass	AM
6/11/2025	9.86	pH 10	5GA0867 1/27	Calibrated	10.03	Pass	AM
6/11/2025	1.051	1.413 mS/cm	4GJ1746 10/25	Calibrated	1.413	Pass	AM
6/11/2025	214.9	240mV ORP	4GK1268 8/25	Calibrated	240	Pass	AM
6/11/2025	256 FNU	126 NTU	25B24018492 02/26	Calibrated	127 NTU	Pass	AM
6/11/2025	133 FNU	0 NTU Auto Cal Soln	24018311 04/26	Calibrated	0 NTU	Pass	AM

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI Pro DSS SN: _____ Manufacturer: YSI Rental Company: Pine Env.

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/11/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/12/25	3.96	pH 4	5GA0869 1/27	Calibrated	4.00	Pass	AM
6/12/25	6.95	pH 7	4GK0202 11/26	Calibrated	7.00	Pass	AM
6/12/25	9.95	pH 10	5GA0867 1/27	Calibrated	10.00	Pass	AM
6/12/25	1.539	1.413mS/cm	4GJ1746 10/25	Calibrated	1.413	pass	AM
6/12/25	248.4	240mV ORP	4GK1268 8/25	Calibrated	240.0	pass	AM
6/12/25	108.39	126 NTU	25B2401899 2 02/26	Calibrated	126.00	pass	AM
6/12/25	6.73	0 NTU		Calibrated	0.00	Pass	AM

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): PRO DSS / #21369 Manufacturer: YSI PRO DSS Rental Company: PINE

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/12/2025
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/12/25	none	0 ntu 124 ntu	4/2028 24010311 6/25 24424014192	none	0.2 123.9	PASS	TH
	"	Cond 1.413	9/25 4G 10916	"	1.421	PASS	TH
	"	pH 4 7 10	10/24 4G51193 9/26 4G10915 9/26 4G10913	NONE	4.2 7.0 10.1	PASS	TH
6/13/25	none	0 - ntu 124 - ntu	"	none	0.3 124.2	PASS	TH
	"	Cond 1.413	"	"	1.414	PASS	TH
	"	ORP 240	"	"	237	PASS	TH
	"	pH 4 7 10	"	"	3.99 7.01 10.0	PASS	TH
6/16/25	none	CO ntu 1.413	"	none	1.412	PASS	TH
	"	ORP 240	"	none	240	PASS	TH
	none	pH 4 7 10	"	none	3.99 7.00 9.99	PASS	TH
6/17/25	"	"	"	none	1.417 239.5	PASS	TH
	"	"	"	none	4.02 7.04 10.20	PASS	TH

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI ProDSS 22B013 Manufacturer: YSI Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/12/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/12	3.95	4 pH	5GB1014 2/27	N	4.00	P	AB
6/12	6.96	7 pH	5GB1366 2/27	N	7.02	P	AB
6/12	9.86	10 pH	4GI0207 10/26	N	10.06	P	AB
6/12	3.35	0 NTU	24012509 8/25	N	0.0	P	AB
6/12	128.0	126.0 NTU	25C24019798 3/26	N	123.96	P	AB
6/12	251.0	~~ORP~~ 240.0 mV	5GA1574 10/25	N	239.1	P	AB
6/19	4.12	4 pH	5GB1014 2/27	N	4.0	P	AB
6/19	6.92	7 pH	5GB1366 2/27	N	6.96	P	AB
6/19	9.94	10 pH	4GI0207 10/26	N	10.0	P	AB
6/19	~~1990~~ 1366	1413.0 µm/cm	4G10916 9/25	N	1413 µm/cm	P	AB
6/19	247.5 mV	240.0 mV	5GA1574 10/25	N	239.9 mV	P	AB

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): PRO DSS / #21369 Manufacturer: YSI PRO DSS Rental Company: PINE

Upon receipt, all parts are included and this instrument is in working order: OK JH 6/12/2025
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/12/25	none	0 ntu 124 ntu	4/2026 24010311 6/25 24H 24014192	none	0.2 123.9	PASS	JH
	"	Cal 1.413	9/25 4G 10916	"	1.421	PASS	JH
	"	pH 4 7 10	10/26 4G51193 9/26 4G10918 9/26 4G10913	NONE	4.2 7.0 10.1	PASS	JH
6/13/25	none	0 ntu 124 ntu	"	none	0.3 124.2	PASS	JH
	"	Cal 1.413	"	"	1.414	PASS	JH
	"	ORP 240	"	"	237	PASS	JH
	"	pH 4 7 10	"	"	3.99 7.01 10.0	PASS	JH
6/16/25	none	CO ntu 1.413	"	none	1.412	PASS	JH
	"	ORP 240	"	none	240	PASS	JH
	none	pH 4 7 10	"	none	3.99 7.00 9.99	PASS	JH
6/17/25	"	"	"	none	1.411 239.5	PASS	JH
	"	"	"	none	4.02 7.04 10.00	PASS	JH

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): 37754 Manufacturer: Honeywell MiniRAE 3000 Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] / 6/16/25
(signature/date)

100 ppm lot #: 304-403284154-1 3/15/29

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/16/25	0.0 ppm	fresh air	—	—	0.0 ppm	pass	PM
6/16/25	—	100 ppm	—	—	100 ppm	pass	PM
6/17/25	0.0 ppm	fresh air	—	—	0.0 ppm.	pass	PM
6/17/25	—	100 ppm	—	—	100.1	pass	PM
6/18/25	0.1 ppm	fresh air	—	—	0.0	pass	PM
6/18/25	—	100 ppm	—	—	100.0	pass	PM
6/19/25	0.0 ppm	fresh air	—	—	0.0	PASS	PM
6/19/25	—	100 ppm	—	—	100.1	PASS	PM
6/20/25	0.0 ppm	fresh air	—	—	0.0	PASS	PM/CM
6/20/25	—	100 ppm	—	—	100 ppm	PASS	PM/CM

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI Pro DSS Manufacturer: YBI Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/13
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/13	4.18	4pH	5GB1014 2127	N	3.97	P	[signature]
	6.88	7pH	5GB1366 2127	N	7.02	P	[signature]
	9.62	10pH	4GJ0207 10126	N	9.95	P	[signature]
	1205	1413 uS/cm	4610916 9/25	N	1409	P	[signature]
	215.3	240.0mV	5GA5-74 10/25	N	240.9	P	[signature]
	0.0	0.0NTU	24012509 8/25	N	0	P	[signature]
	123.34	126	25C2019 ~~798~~ 3/26	N	125.93	P	[signature]

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1) Pine No: 37754
2) Pine No: 38060

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): MiniRAE 3000 **Manufacturer:** Honeywell **Rental Company:** Pine Env.

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/13/25
(signature/date)

	Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
1)	6/13/25	0.1	Isobutylene 100ppm	304-403284154-1 3/15/2029	Calibrated	100.2	Pass	[signature]
2)	6/13/25	0.0	Isobutylene 100ppm	304-403284154-1 3/15/2029	Calibrated	100.1	Pass	[signature]

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Turbidity Meter - HACH 2100Q Manufacturer: HACH. Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/13/25	non.	800 100	CA 4060 2/26 CA 4152 6/26	non	806 96.7	PASS	JR
		20 10 0	CA 4121 5/26 CA 4323 2/26	non.	21.7 9.97	PASS	JR
6/17/25	NONE	800 100	"	NONE	802 101	PASS	JR
	NONE	20 10	"	NONE	20. 9.97	PASS	JR
6/17/25	"	800 100	"	NONE	802 102	~~PASS~~	JR
	"	20 10	"	NONE	20.0 10.0	PASS	JR

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Turbidity Meter - HACH 2100Q Manufacturer: HACH. Rental Company: PIVE

Upon receipt, all parts are included and this instrument is in working order: _____ (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/17/25	non.	800 100	CA 4060 2/26 CA 4152 6/26	non	806 96.7	PASS	JR
		20 10	CA 4121 5/26 CA 4323 2/26	nn.	21.7 9.97	PASS	JR
6/18/25	NONE	800 100	"	NONE	802 101	PASS	JR
	NONE	20 10	"	NONE	20. 9.97	PASS	JR
6/17/25	"	800 100	"	NONE	802 102	PASS	JR
	"	20 10	"	NONE	11.00 11.00	PASS	JR
6/18/25	"	800 100	"	NONE	801 102	PASS	JR
		20 10	"	NONE	19.7 10.0	PASS	JR
6/19/25	"	800 100	"	NONE	809.9 97.9	PASS	JR
6		20 10	"	NONE	19.9	PASS	JR
6/20/25	"	800 100	"	NONE	801 102	PASS	JR
	"	20 10	"	NONE	20.2 10.1	PASS	JR

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI Pro Dss 223013 Manufacturer: YSI Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/19/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/16	~~6/19 AB~~	4.13 pH	4pH	5GB1014 2/27	N	4.01 pH	P	AB
6/16	~~6/19 AB~~	6.79 pH	7pH	5GB1366 2/27	N	7.0 pH	P	AB
6/16	~~6/19 AB~~	9.79 pH	10 pH	4GI0207 10/26	N	10.03 pH	P	AB
6/16	~~6/19 AB~~	216.8 mV	240.0 mV	5GA1574 10/25	N	241.0 mV	P	AB
6/16	~~6/19 AB~~	1770 uM/cm	1413 uM/cm	4G10916 9/25	N	1409 uM/cm	P	AB
6/17	4.33 pH	4pH	5GB1014 2/27	N	4.0 pH	P	AB
6/17	7.38 pH	7pH	5GB1366 2/27	N	7.0pH	P	AB
6/17	9.75 pH	10pH	4GI0207 10/26	N	10.0pH	P	AB
6/17	223.0mV	240.0mV	5GA1574 10/25	N	240.3 mV	P	AB
6/17	1153 uM/cm	1413 uM/cm	4G10916 9/25	N	1416 uM/cm	P	AB

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): 44483 Manufacturer: HACH Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] / 6/16/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading (NTU)	Comments Pass/Fail	Signature
6/16/25	—	20 NTU	Sep-25 LOT A4166	—	26.4	fail	PM
6/16/25	—	100 NTU	Jun-25 LOT A4080	—	112	pass	PM
6/16/25	—	800 NTU	Apr-26 LOT A5013	—	812	pass	PM
6/16/25	—	10 NTU	Sep-25 LOT A4167	—	7.66	fail	PM
~~6/17/25~~	~~—~~	~~20~~ PM	—	—	-> recalibrated & passed (9.25 NTU)		
6/17/25	—	100	LOT A4080 Jun-25	—	101	PASS	PM
6/17/25	—	800	LOT A5013 Apr-26	—	800	PASS	PM
6/17/25	—	10	LOT A4167 Sep-25	—	10.3	PASS	PM
6/17/25	—	20	LOT A4166 Sep-25	—	19.3	pass	PM
6/18/25	—	20	Sep-25 LOT A4166	—	20.3	PASS	PM
6/18/25	—	100	Jun-25 LOT A4080	—	98.5	PASS	PM
6/18/25	—	800	LOT A5013 Apr-26	—	790	PASS	PM
6/18/25	—	10	LOT A4228 NOV-25	—	11.3	PASS	PM

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): 23|992 Manufacturer: HACH Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/16/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/16/25	—	20 NTU	Oct-25 LOT A4205	none	20.3 NTU	pass	PM
6/16/25	—	100 NTU	Apr-26 lot A4366	none	101 NTU	pass	PM
6/16/25	—	800 NTU	sep-25 lot A4169	none	799 NTU	pass	PM
6/16/25	—	10 NTU	Nov-25 lot A4228	none	9.44 NTU	pass	PM
6/17/25	—	20	lot A4205 Oct-25	none	20.1	PASS	PM
6/17/25	—	100	Lot A4169 sep-25	none	100	PASS	PM
6/17/25	—	800	lot A4169 sep-25	none	789	PASS	PM
6/17/25	—	10	Lot A4228 Nov-25	none	9.43	PASS	PM
6/18/25	—	20	lot A4205		20.3	PASS	PM
6/18/25	—	100	Lot A4169 sep-25		100	PASS	PM
6/18/25	—	800	Lot A4169 sep-25		812	PASS	PM
6/18/25	—	10	lot A4228 Nov-25		10.1	PASS	PM

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI ProDSS 44738 Manufacturer: YSI Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: 6/17/25 (signature/date) 6/18/25

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/17	3.97 pH	4 pH	5GB1084 2/27	N	3.98 pH	P	AB
6/17	6.89 pH	7 pH	5GB1366 2/27	N	7.01 pH	P	AB
6/17	10.0 pH	10 pH	4GI0207 10/26	N	10.0 pH	P	AB
6/17	227.6 mV	240.0 mV	5GA1574 10/25	N	239.8 mV	P	AB
6/17	1613 uM/cm	1413 uM/cm	4G10916 9/25	N	1408 uM/cm	P	AB
6/18	4.32 pH	4 pH	4GI1193 10/26	N	4.0 pH	P	AB
6/18	6.90 pH	6 pH	4G10915 9/26	N	6.98 pH	P	AB
6/18	10.01 pH	10 pH	4G10913 9/26	N	10 pH	P	AB
6/18	260 mV	240 mV	N/A	N	240.1 mV	P	AB
6/18	1523 uM/cm	1413 uM/cm	4G101916 9/25	N	1411 uM/cm	P	AB

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): 38060 MiniRAE 3000 Manufacturer: ~~Pine~~ Honeywell Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/18/25 (signature/date)

100 ppm lot # = 304-403284154-1 3/15/29

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/19/25	0.0 ppm	fresh air	~~38060~~ PM	—	0.0 ppm	PASS	PM
6/19/25	—	100 ppm	———	—	100 ppm	PASS	PM
6/18/25	0.1 ppm	fresh air	—	—	0.0 ppm	pass	PM
6/18/25	—	100 ppm	—	—	100 ppm	pass	PM
6/19/25	0.0 ppm	fresh air	—	—	0.0 ppm	PASS	PM
6/19/25	—	100 ppm	—	—	100.1	PASS	PM
6/20/25	0.0 ppm	fresh air	—	—	0.0 ppm	PASS	PM/CAT
6/20/25	—	100 ppm	—	—	100 ppm	PASS	PM/CAT
6/27/25	0.0 ppm	fresh air	—	—	0.0 ppm	pass	[signature]
6/27/25	—	100 ppm	—	—	100 ppm	pass	[signature]
GX-6000 6/27/25	0.0 ppm	fresh air	—	—	0.0 ppm	pass	[signature]
GX-600 6/27/	—	100 ppm	—	—	100 ppm	pass	[signature]

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): PRO DSS / #211369 Manufacturer: YSI Pro DSS Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: _____ (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/18/25	clean	124 mV cond. 1.413 pH-4 7 10	6/25 24A2401482 9/26 4G10916 10/24 4G51193 9/26 4G10915 9/24 4G10813	clean none none none	117 ~~1603~~ 1417 4.17 7.02 10.05	Pass Pass Pass	GS GS GS
6/19/25	none	"	"	none	1.412	Pass	JR
		"	"	none	3.99 7.01 10.0	Pass	JR
6/20/25	none	"	"	none	1.413	Pass	JR
		"	"	none	4.01 7.00 9.98	Pass	JR
6/23/25	none	"	"	none	1.414	Pass	JR
		"	"	none	2.41 4.06 7.06	Pass	JR
6/24/25	none	ORP 240 cond. 1.413 PH. 4 7 10	"	none	236.8 1.412 4.01 6.99 9.98	Pass Pass	JR JR
6/25/25	none	ORP 240 cond. 1.413 PH 4 7 10	"	"	~~240~~ 1.415 3.99 7.01 9.98	Pass	JR

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): HACH/2100Q/231992 Manufacturer: HACH Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: Ch. MJ 6/19/25 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/19/25	—	20	A4205 Oct25	—	20.3	P	CW
↓	103	100	A4366 Apr26	—	104	P	CW
↓	—	800	A4169 Sep25	—	811	P	CW
↓	—	10	A4228 Nov25	—	10	P	CW
6/20/25	21.8	20	A4205 Oct-25	—	19.6	P	PM
6/20/25	107	100	A4346 Apr-26	—	95.9	P	PM
6/20/25	790	800	A4169 Sep-25	—	791	P	PM
6/20/25	9.21	10	A4228 NOV-25	—	9.39	P	PM
6/23/25	1.25	20	A4205 Oct25	—	198 ~~2.0X~~	P	CW
6/23/25	3.75	100	A4366 Apr 26	—	104	P	CW
6/23/25	140	800	A4169 Sep25	—	801	P	CW
6/23/25	3.21	10	A4228 Nov 25	—	9.5	P	CW

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): 44483 | HACH 2100Q Manufacturer: HACH Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] / 6/19/25
(signature/date)

Calibration Date	Initial Setting (NTU)	Standard/ Gas Used (Concentration) (NTU)	Lot Control No. Expiration Date	Adjustments Made	Final Reading (NTU)	Comments Pass/Fail	Signature
6/19/25	19.9	20	Lot A4166 Sep-25	—	19.8	P	PM
6/19/25	96.3	100	Lot A4080 Jun-25	—	97.9	P	PM
6/19/25	795	800	Lot A5013 Apr-26	—	798	P	PM
6/19/25	9.32	10	Lot A4167 Sep-25	—	9.66	P	PM
6/20/25	7.99	800	Lot A5013 Apr-26	805 ←→ —		P	PM
6/20/25	107	100	Lot A4080 Jun-25	100 ←→ —		P	PM
6/20/25	9.88	10	Lot A4167 Sep-25	—	~~9.39~~ 9.51 (PM)	P	PM
6/20/25	~~33.4~~ (PM) 27.0	20	Lot A4166 Sep-25	—	21.2	P	PM
6/20/25	33.5	20	A4205 Oct 25	—	~~27~~ 19.9 cw	P	CW
↓	110	100	A4366 Apr 26	—	120	P	CW
↓	812	800	A4169 Sep 25	—	812	P	CW
↓	12	10	A4228 Nov 25	—	9.59	P	CW

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McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI Pro DSS 44738 **Manufacturer:** YSI **Rental Company:** Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/19/25 (signature/date)
[signature] 6/20/25

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/19	3.94 pH	4.0 pH	46J1193 10/26	N	3.99 pH	P	AB
6/19	~~7~~.01 pH	7.0 pH	46J0915 9/26	N	~~7~~.0 pH	P	AB
6/19	9.77	10.0 pH	46J0913 9/26	N	10.01 pH	P	AB
6/19	1408 um/cm	1413 um/cm	46J0916 9/25	N	1410 um/cm	P	AB
6/19	242.8 mV	240.0 mV	N/A	N	239.9 mV	P	AB
6/20	4.17	4 pH	46J1193 10/26	N	3.95 pH	P	AB
6/20	6.93	7.0 pH	46J0915 9/26	N	6.98 pH	P	AB
6/20	9.85	10 pH	46J0913 9/26	N	10.03 pH	P	AB
6/20	238.8 mV	240 mV	46J0916 9/25	N	240.0 mV	P	AB
6/20	1373 um/cm	1413 um/cm	N/A	N	1410 um/cm	P	AB

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI Pro DSS 223324 **Manufacturer:** YSI **Rental Company:** Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/19/25 (signature/date)
[signature] 6/20/25

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/19	3.89 pH	4 pH	46I1193 10/26	N	4.0 pH	P	AB
6/19	6.90	7 pH	4610915 9/26	N	7.01 pH	P	AB
6/19	10.09	10 pH	4610913 9/26	N	10 pH	P	AB
6/19	1526 uM/cm	1413 uM/cm	4610916 9/25	N	1412 uM/cm	P	AB
6/19	246.1 mV	240.0 mV	N/A	N	240.0 mV	P	AB
6/20	244.1 mV	240.0 mV	N/A	N	239.9 mV	P	AB
6/20	1470 uM/cm	1413 uM/cm	4610916 9/25	N	1413	P	AB
6/20	3.94 pH	4 pH	46I1193 10/26	N	4.0 pH	P	AB
6/20	6.99 pH	7 pH	4610915 9/26	N	7.0 pH	P	AB
6/20	9.76 pH	10 pH	4610913 9/26	N	10.02 pH	P	AB

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Pro DSS YSI 22A3324 **Manufacturer:** YSI **Rental Company:** Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/23/25 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/23	1413 um/cm	1413 um/cm	4G10916 9/25	N	1413 um/cm	P	AB
6/23	4.16 pH	4 pH	5GB1014 2/27	N	3.99 pH	P	AB
6/23	6.81 pH	7 pH	5GB1366 2/27	N	6.96 pH	P	AB
6/23	9.67 pH	10 pH	4G10207 10/26	N	10.0 pH	P	AB
6/23	222.8 mV	240.0 mV	5GA01574 10/25	W	240.0 mV	P	AB
6/24	4.16	4 pH	5GA0869 1/27	—	4.00 pH	P	SR
6/24	7.03	7 pH	4GK0202 11/26	—	7.02 pH	P	SR
6/24	9.98	10 pH	5GA0867 1/27	—	10.02 pH	P	SR
6/24	218.5 mV	240 mV ORP	4EK1268 8/25	—	240.0 mV	P	SR
6/24	3.451 ms/cm	1.413 mS/cm	4G10916 9/25	—	1.413 mS/cm	P	SR

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): MiniRAE 3000 37754 **Manufacturer:** Honeywell **Rental Company:** Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/23/25
(signature/date)

Calibration Date	Initial Setting ppm	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading ppm	Comments Pass/Fail	Signature
6/23/25	0.0 ppm	100 ppm	304-40328415A-1 3/15/29	None	100.2 ppm	P	SR
6/23/25	0.0 ppm	0 ppm	Fresh air	None	0.0 ppm	P	SR
6/24/25	0.0	0	fresh air	—	0.0	P	SR
6/24/25	0.0	100	304-40328415A-1 3/15/29	—	102.4	P	SR

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Hach 2100 Q turbidity meter Manufacturer: Hach Rental Company: None

Upon receipt, all parts are included and this instrument is in working order: [signature] (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/23/25	None	800 NTU	06[illegible] 4066	None	801	Pass	JDL
		100 NTU	0626 4152		100.2		
	None	20 NTU	05/26 4124	None	20.1	Pass	JDL
		10 NTU	02/26 4323		11.0		
6/24/25	None	800	" "	None	796	Pass	JDL
		100			106		
	None	10	" "	None	9.98	Pass	JDL
		20			21.2		
6/25/25	None	800	" "	None	798	Pass	JDL
		100			101		
	None	20	" "	None	19.6	Pass	JDL
		10			10.2		

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): ProDSS YSI 44738 Manufacturer: ~~YPS~~ AB YSI Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/23/25 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/23	1384 uS/cm	1413 uS/cm	4G10916 9/25	N	1414 uS/cm	P	AB
6/23	4.11 pH	4 pH	5GB1014 2127	N	3.97 pH	P	AB
6/23	6.83 pH	7 pH	5GB1366 2127	N	7.01 pH	P	AB
6/23	9.90 pH	10 pH	4GJ0207 10/26	N	9.97 pH	P	AB
6/23	222.7 mV	240.0 mV	5GB15-74 10/25	N	240.0 mV	P	AB
6/24	232.5	240.0 mV	5GA 1574 Oct 25	N	240	P	CW
↓	10.09	10 pH	4GJ 0207 Oct 26	N	10.06	P	CW
	7.14	7 pH	5GB1366 Feb 27	N	7.02	P	CW
	4.31	4 pH	5GB1014 Feb 27	N	4.0	P	CW
↓	~~1413~~ 1565	1413	4G10916 Sep 25	N	1413	P	CW

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Honeywell MiniRAE 3000 38060 **Manufacturer:** Honeywell **Rental Company:** Pine

Upon receipt, all parts are included and this instrument is in working order: Steve Renn 6/23/25 (signature/date)

Calibration Date	Initial Setting ppm	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading ppm	Comments Pass/Fail	Signature
6/23/25	0.2 ppm	100 ppm	304-40328454 3/15/29	None	100.0 ppm	P	SR
6/23/25	0.0 ppm	0 ppm	Fresh air	None	0 ppm	P	SR
6/24/25	0.8	0	fresh air	—	0.0	P	SR
6/24/25	0.0	100	304-40328454 3/15/29	—	103.4	P	SR

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Hach 2100Q 44483 Manufacturer: HACH Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/22/25 (signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/23/25	—	20 NTU	A4205	—	18.9	P	SR
6/23/25	~~18.9~~	100 NTU	A4366	—	96.3	P	SR
6/23/25	96.3	800 NTU	A4169	—	796	P	SR
6/23/25	796	10 NTU	A4228	—	9.30	P	SR
6/24/25	20.2	20 NTU	A4205 Oct 25	—	19.9	P	CW
↓	96.7	100 NTU	A4366 April 26th	—	96.9	P	CW
↓	789	800 NTU	A4169 Sep 25	—	805	P	CW
↓	9.69	10 NTU	A4228 NOV. 25	—	9.39	P	CW

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Hach 231992 2100Q

Manufacturer: Hach

Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: Starke 6/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/25/25	—	20 NTU	2684801 A4205 10/25	—	20.3	P	SR
6/25/25	20.3	100 NTU	2684901 A4366 4/26	—	99.4	P	SR
6/25/25	99.4	800 NTU	2660501 A4169 9/25	—	791	P	SR
6/25/25	791	10 NTU	A4228 11/25	—	9.08	P	SR

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): Mini RAE 3000+ **Manufacturer:** Honeywell **Rental Company:** Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/25/25 (signature/date)

Serial #	Calibration Date	Initial Setting ppm	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading ppm	Comments Pass/Fail	Signature
38060	6/25/28	0.6	0.0 ppm	Fresh air	none	0.0	P	SR
38060	6/25/28.	0.6	100 ppm	304-403 281454-1 3/15	none	102.4	P	SR
37754	6/25/25	0.1	0.0 ppm	Fresh air	none	0.0	P	SR
37754	6/25/25	0.0	100 ppm	304-403281454-1	none	100.1	P	SR

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI ProDSS 44738 Manufacturer: Xylem Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: CW 6/25/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/25	7.03	7	4GK0202 (11/26)	—	7.06	P	CW
6/25	10.02	10	5GA0867 1-27	—	10.08	P	CW
6/25	4.34	4	5GA0869 1-27	—	4.17	P	CW
6/25	1601	1413	4GI0916 9-25	—	1591	P	CW
6/25	234.2	240	4GK1268 8-25	—	237.5	P	CW

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): YSI 22ss 24 Manufacturer: Axylem Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: [signature] 6/25/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/25/25	1,479 ms/cm	1.413 ms/cm	4610916 9/25	—	1413 ms/cm	P	SR
6/25/25	4,17	4 pH	56A0859 1/27	—	4.00	P	SR
6/25/25	6.98	7 pH	46k0202 11/26	—	7.03	P	SR
6/25/25	10,14	10 pH	56A0867 1/27	—	10.00	P	SR
6/25/25	241.3	240 mV	46k1268 8/25	—	240.0	P	SR

REV 12/22

McLouth Steel Corp. Superfund Site
GENERAL EQUIPMENT CALIBRATION LOG

Instrument (make/model/serial #): HACH 2100Q 44483 Manufacturer: HACH Rental Company: Pine

Upon receipt, all parts are included and this instrument is in working order: Chr. M 6/25/25
(signature/date)

Calibration Date	Initial Setting	Standard/ Gas Used (Concentration)	Lot Control No. Expiration Date	Adjustments Made	Final Reading	Comments Pass/Fail	Signature
6/25/25	20.7	20	A4205	/	19.5	P	CW
↓	87	100	A4366 Apr-26	/	90.4	P	CW
↓	789	800	A4169 Sep 25	/	804	P	CW
↓	10.3	10	A4228 Nov-25	/	9.57	P	CW

REV 12/22

Attachment B-1

Year 1 Analytical Data Tables

CDM Smith

Table A - Year 1 PCB Aroclor Analytical Data Table

Location					RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08
Sample #					RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-04-0-0.5	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5	RI-SB-08-0-0.5	RI-SB-08-1-2	RI-SB-08-4-5
Start Depth					0	1	4	0	1	4	1	0	1	5	0	1	4	0	1	4
End Depth					0.5	2	5	0.5	2	5	2	0.5	2	6	0.5	2	5	0.5	2	5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	RI-SB-02-1-2	-	-	-	-	-	-	-	-	-
Sample Date					8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/29/2023	8/29/2023	8/29/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	38 U	37 U	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	38 U	37 U	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	38 U	37 U	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclors	Aroclor 1242	53469-21-9	**24**	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	**25 J**	**76**	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclors	Aroclor 1248	12672-29-6	24	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	38 U	37 U	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg	42 U	37 U	36 U	23 J	15 J	**56**	17 J	38 U	37 U	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	45	37 U	35 J	37 U	36 U	37 U	70 J	38 U	37 U
Aroclors	Aroclor 1262	37324-23-5	110	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	38 U	37 U	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclors	Aroclor 1268	11100-14-4	**110**	µg/kg	42 U	37 U	36 U	36 U	38 U	41 U	38 U	38 U	37 U	39 U	37 U	36 U	37 U	40 U	38 U	37 U
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg	42 U	37 U	36 U	23 J	15 J	56	17 J	70 J	76	35 J	37 U	36 U	37 U	70 J	38 U	37 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table A - Year 1 PCB Aroclor Analytical Data Table

Location					RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11	RI-SB-11	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-25	RI-SB-25	RI-SB-25
Sample #					RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-16-0-0.5	RI-SB-16-1-2	RI-SB-16-13-14	RI-SB-23-0-0.5	RI-SB-23-1-2	RI-SB-23-17-18	RI-SB-23A-0-0.5	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18
Start Depth					0	1	4	0	1	7	0	1	13	0	1	17	0	0	1	17
End Depth					0.5	2	5	0.5	2	8	0.5	2	14	0.5	2	18	0.5	0.5	2	18
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-23-0-0.5	-	-	-
Sample Date					9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/19/2023	9/19/2023	9/19/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	9/19/2023	9/19/2023	9/19/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg	36 U	36 U	35 U	39 U	37 U	39 U	38 U	39 U	38 U	36 UJ	35 U	40 U	36 UJ	37 U	38 U	1300 U
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg	36 U	36 U	35 U	39 U	37 U	39 U	38 U	39 U	38 U	36 UJ	35 U	40 U	36 UJ	37 U	38 U	1300 U
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg	36 U	36 U	35 U	39 U	37 U	39 U	38 U	39 U	38 U	36 UJ	35 U	40 U	36 UJ	37 U	38 U	1300 U
Aroclors	Aroclor 1242	53469-21-9	**24**	µg/kg	36 U	36 U	35 U	**37 J**	37 U	39 U	38 U	**38 J**	38 U	36 UJ	35 U	40 U	36 UJ	37 U	**78**	1300 U
Aroclors	Aroclor 1248	12672-29-6	24	µg/kg	36 U	36 U	35 U	39 U	37 U	39 U	38 U	39 U	38 U	36 UJ	35 U	40 U	36 UJ	37 U	38 U	1300 U
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg	36 U	36 U	35 U	39 U	37 U	39 U	38 U	39 U	38 U	36 UJ	35 U	40 U	36 UJ	37 U	38 U	1300 U
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg	**150**	44	35 U	56	**230**	**17000**	80	51	38 U	**270 J-**	**300**	40 U	**210 J-**	37 U	55	1300 U
Aroclors	Aroclor 1262	37324-23-5	110	µg/kg	36 U	36 U	35 U	39 U	37 U	39 U	38 U	39 U	38 U	36 UJ	35 U	40 U	36 UJ	37 U	38 U	1300 U
Aroclors	Aroclor 1268	11100-14-4	**110**	µg/kg	36 U	36 U	35 U	39 U	37 U	39 U	38 U	39 U	**130 J**	36 UJ	35 U	40 U	36 UJ	37 U	38 U	1300 U
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg	150	44	35 U	93 J	230	17000	80	89 J	130 J	270 J-	300	40 U	210 J-	37 U	133	1300 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table A - Year 1 PCB Aroclor Analytical Data Table

Location					RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-30	RI-SB-30	RI-SB-30	RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35
Sample #					RI-SB-26-0-0.5	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2	RI-SB-30-0-0.5	RI-SB-30-1-2	RI-SB-30-2-3	RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-18-19	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10
Start Depth					0	1	2	1	0	1	2	0	1	4	0	1	18	0	1	9
End Depth					0.5	2	3	2	0.5	2	3	0.5	2	5	0.5	2	19	0.5	2	10
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-26-1-2	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	37 U	38 U	38 U	38 U	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	37 U	38 U	38 U	38 U	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	37 U	38 U	38 U	38 U	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1242	53469-21-9	**24**	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	37 U	**88 J**	**91 J**	17 J	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1248	12672-29-6	24	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	37 U	38 U	38 U	38 U	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	**72**	38 U	38 U	38 U	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg	84	38	30 J	44	36 U	30 J	33 J	**260**	**150**	19 J	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1262	37324-23-5	110	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	37 U	38 U	38 U	38 U	39 U	38 U	44 U	38 U	38 U	37 U
Aroclors	Aroclor 1268	11100-14-4	**110**	µg/kg	37 U	36 U	36 U	36 U	36 U	36 U	37 U	38 U	38 U	38 U	39 U	38 U	44 U	38 U	38 U	37 U
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg	84	38	30 J	44	36 U	36 U	72	348 J	241 J	36 J	39 U	38 U	44 U	38 U	38 U	37 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table A - Year 1 PCB Aroclor Analytical Data Table

Location					RI-SB-39	RI-SB-39	RI-SB-39	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-42	RI-SB-42	RI-SB-42
Sample #					RI-SB-39-0-0.5	RI-SB-39-1-2	RI-SB-39-2-3	RI-SB-40-0-0.5	RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40A-1-2	RI-SB-42-0-0.5	RI-SB-42-1-2	RI-SB-42-19-20
Start Depth					0	1	2	0	1	3	1	0	1	19
End Depth					0.5	2	3	0.5	2	4	2	0.5	2	20
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N
Parent Sample #					-	-	-	-	-	-	RI-SB-40-1-2	-	-	-
Sample Date					9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	36 U	37 U	40 U
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	36 U	37 U	40 U
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	36 U	37 U	40 U
Aroclors	Aroclor 1242	53469-21-9	**24**	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	**61 J**	**57 J**	40 U
Aroclors	Aroclor 1248	12672-29-6	24	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	36 U	37 U	40 U
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	36 U	37 U	40 U
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg	**1400 J**	**110**	**320**	**160**	**1000**	16 J	**1000**	**140**	86	40 U
Aroclors	Aroclor 1262	37324-23-5	110	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	36 U	37 U	40 U
Aroclors	Aroclor 1268	11100-14-4	**110**	µg/kg	36 U	36 U	35 U	38 U	40 U	42 U	40 U	36 U	37 U	40 U
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg	1400 J	110	320	160	1000	16 J	1000	201 J	143 J	40 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
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J - The identification of the analyte is acceptable; the reported value is an estimate
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U - Not Detected

Table B - Year 1 VOC Analytical Data Table

Location					RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05
Sample #					RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-02A-1-2_ME	RI-SB-03-0-0.5	RI-SB-03-1-2	RI-SB-03-3-4	RI-SB-04-0-0.5	RI-SB-04-0-0.5_ME	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-05-0-0.5	RI-SB-05-1-2	RI-SB-05-3-4	RI-SB-05A-1-2
Start Depth					0	1	4	0	1	4	1	1	0	1	3	0	0	1	5	0	1	3	1
End Depth					0.5	2	5	0.5	2	5	2	2	0.5	2	4	0.5	0.5	2	6	0.5	2	4	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	FD	N	N	N	N	N	N	N	N	N	N	FD
Parent Sample #					-	-	-	-	-	-	RI-SB-02-1-2	RI-SB-02-1-2	-	-	-	-	-	-	-	-	-	-	RI-SB-05-1-2
Sample Date					8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/18/2023	8/18/2023	8/18/2023	8/29/2023	8/29/2023	8/29/2023	8/29/2023	8/16/2023	8/16/2023	8/16/2023	8/16/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	1400	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 R	5 U	5.7 U	5 UJ	4 R	5.7 R
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,1-Dichloroethane	75-34-3	15.6	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 UJ	5 U	5.7 U	5 UJ	4 R	5.7 UJ
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	**42**	µg/kg	6.7 UJ	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,2,3-Trichloropropane	96-18-4	0.0064	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	6.7 UJ	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	2 J	4 U	3.2 J
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	6.7 U	5.3 U	5.7 U	2.5 J	1.6 J	3.4 J	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	1.2 J	4 U	1.2 J
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 R	5 U	5.7 U	5 UJ	4 R	5.7 R
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	6.7 UJ	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	6.7 UJ	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	6.7 UJ	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	13 U	11 U	11 U	12 U	15	30	11 R	570 U	8.7 U	10 U	11 U	9.6 UJ	550 U	11 U	9.9 U	11 U	15	8 U	15
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	13 U	11 U	11 U	12 U	10 U	11 U	11 R	570 U	8.7 U	10 U	11 U	9.6 R	550 U	11 U	9.9 U	11 U	10 U	8 U	11 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	13 U	11 U	11 U	12 U	10 U	11 U	11 R	570 U	8.7 U	10 U	11 U	9.6 R	550 U	11 U	9.9 U	11 U	10 U	8 U	11 U
VOCs	Acetone	67-64-1	7400	µg/kg	13 U	11 U	11 U	12 U	71 J+	150 J+	210 J+	570 U	8.7 U	10 U	11 U	25 J+	550 U	11 U	9.9 U	11 U	63	15.4 U	67
VOCs	Benzene	71-43-2	**52**	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Bromochloromethane	74-97-5	42	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 UJ	5 U	5.7 U	5 UJ	4 R	5.7 UJ
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Bromoform	75-25-2	420	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 UJ	5 U	5.7 U	5 UJ	4 R	5.7 UJ
VOCs	Bromomethane	74-83-9	3.8	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	6.7 UJ	4.6 J	5.7 UJ	2 J	3.6 J	5.7 UJ	4.4 J+	280 U	4.4 U	5.1 U	5.6 U	1.7 J+	280 U	3.6 J	5 UJ	6.4	15	4 U	13
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	6.7 UJ	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Chloroform	67-66-3	320	µg/kg	5.6 J	9.2	5.7 U	4.7 J	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	35 J-	8	5.7 U	23 J-	31 J-	29 J-
VOCs	Chloromethane	74-87-3	98	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 UJ	5 U	5.7 U	5 UJ	4 R	5.7 UJ
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	1.5 J	17	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	6.7 U	5.3 U	5.7 U	2.4 J	5.1 U	1.4 J	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	1.6 J	4 U	1.8 J
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Methylcyclohexane	108-87-2	880	µg/kg	6.7 U	5.3 U	5.7 U	2.6 J	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Methylene Chloride	75-09-2	26	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	9.8 J+	280 U	6.4 U	5 U	7.2 U	7 U	4 U	7.5 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	6.7 U	5.3 U	5.7 U	1.5 J	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	0.96 J	4 U	5.7 U
VOCs	Styrene	100-42-5	530	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Toluene	108-88-3	5400	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	2.9 J	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	2.1 J	4 U	2.4 J
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 UJ	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 R	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	2.9 J	4.9 J	5.6 U	2.1 J+	280 U	7.9	5 U	5.7 U	5 U	10	3.3 J
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 UJ	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	6.7 U	5.3 U	5.7 U	5.8 U	5.1 U	5.7 U	5.3 R	280 U	4.4 U	5.1 U	5.6 U	4.8 UJ	280 U	5.7 U	5 U	5.7 U	5 U	4 U	5.7 U

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table B - Year 1 VOC Analytical Data Table

	Location				RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11	RI-SB-11	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15
	Sample #				RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5	RI-SB-08-0-0.5	RI-SB-08-0-0.5_ME	RI-SB-08-1-2	RI-SB-08-4-5	RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-15-0-0.5	RI-SB-15-0-0.5_ME	RI-SB-15-1-2	RI-SB-15-23-24	RI-SB-15-23-24_ME	RI-SB-15-41-42	RI-SB-15-41-42_ME	RI-SB-15-8-9	RI-SB-15A-0-0.5	RI-SB-15A-0-0.5_ME
	Start Depth				0	1	4	0	0	1	4	0	1	4	0	1	7	0	0	1	23	23	41	41	8	0	0
	End Depth				0.5	2	5	0.5	0.5	2	5	0.5	2	5	0.5	2	8	0.5	0.5	2	24	24	42	42	9	0.5	0.5
	Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	Sample Type				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	FD
	Parent Sample #				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-15-0-0.5	RI-SB-15-0-0.5
	Sample Date				9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	1400	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 U	4 UJ	5.3 U	5.1 U	4.2 R	4.8 UJ	4.5 R	5.7 U	4.5 U	4.7 UJ	270 U	5.2 UJ	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,1-Dichloroethane	75-34-3	15.6	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 UJ	4.8 U	4.5 UJ	5.7 U	4.5 U	4.7 UJ	270 U	5.2 UJ	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	**42**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	0.8 J	4.7 UJ	270 U	5.2 U	4.9 UJ	**130 J-**	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	1,2,3-Trichloropropane	96-18-4	0.0064	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 UJ	330 UJ	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	8.2	4.7 UJ	270 U	5.2 U	4.9 UJ	110 J-	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	0.8 J	4.7 UJ	270 U	5.2 U	4.9 UJ	330 U	4.5 R	340 U	4.7 J	4.9 R	260 U
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 U	4 UJ	5.3 U	5.1 U	4.2 R	4.8 UJ	4.5 R	5.7 U	4.5 U	4.7 UJ	270 U	5.2 UJ	4.9 UJ	330 U	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 UJ	330 UJ	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 UJ	330 U	4.5 R	340 U	2.7 J	4.9 R	260 U
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	0.77 J	4.7 UJ	270 U	5.2 U	4.9 UJ	54 J-	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 UJ	63 J-	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	12 U	12 U	12 U	10 U	650 U	7.9 U	11 U	10 U	8.4 U	9.6 U	9.1 U	11 U	9 U	9.5 UJ	530 U	10 U	9.7 U	650 U	9.1 UJ	670 U	10 U	9.7 R	520 U
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	12 U	12 U	12 U	10 U	650 U	7.9 U	11 U	10 U	8.4 U	9.6 U	9.1 U	11 U	9 U	9.5 UJ	530 U	10 U	9.7 U	650 U	9.1 UJ	670 U	10 U	9.7 R	520 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	12 U	12 U	12 U	10 U	650 U	7.9 U	11 U	10 U	8.4 U	9.6 U	9.1 U	11 U	9 U	9.5 UJ	530 U	10 U	9.7 U	650 U	9.1 UJ	670 U	10 U	9.7 R	520 U
VOCs	Acetone	67-64-1	7400	µg/kg	9.4 J	13	27	11	650 U	14	12	15	7.3 J	8.2 J	5.3 J	11 U	13	9.5 U	530 U	10 U	16 J+	650 U	24 J+	670 U	18 J+	9.7 R	520 U
VOCs	Benzene	71-43-2	**52**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	1.2 J	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Bromochloromethane	74-97-5	42	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 UJ	4.8 U	4.5 UJ	5.7 U	4.5 U	4.7 UJ	270 U	5.2 UJ	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Bromoform	75-25-2	420	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 U	4 U	5.3 U	5.1 U	4.2 UJ	4.8 U	4.5 UJ	5.7 U	4.5 U	4.7 UJ	270 U	5.2 UJ	4.9 UJ	330 U	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	Bromomethane	74-83-9	3.8	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	6.2 U	5.8 U	5.8 U	2.9 J	330 UJ	5.1	5.3 U	4 J	4.8	4.8 U	9.2	5.7 U	1.9 J	4.7 UJ	270 U	3.2 J	4.9 U	330 U	1.9 J+	340 U	5.4	4.9 R	260 U
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Chloroform	67-66-3	320	µg/kg	6.2 U	5.8 U	5.8 U	18	330 U	14	5.3 U	5.4	30 J-	13	36 J-	5.7 U	4.5 U	4.7 UJ	270 U	28 J-	4.9 U	330 U	4.5 UJ	340 U	7.2	4.9 R	260 U
VOCs	Chloromethane	74-87-3	98	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	6.5	4.9 R	260 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 UJ	4.8 U	4.5 UJ	5.7 U	4.5 U	4.7 UJ	270 U	5.2 UJ	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	6.2 U	5.8 U	5.8 U	5.2 UJ	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 UJ	330 U	4.5 R	340 U	5.1 U	4.9 R	260 U
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	6.2 U	5.8 U	1.3 J	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	1.2 J	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	3 J	4.9 R	260 U
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Methylcylohexane	108-87-2	880	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.9	4.9 R	260 U
VOCs	Methylene Chloride	75-09-2	26	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	5.3 U	7 U	4.5 U	8.7 U	4.5 U	9.6 J+	270 U	5.2 U	15 J+	330 UJ	15 J+	340 U	6.5 U	4.9 R	260 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	0.89 J	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	2 J	4.9 R	260 U
VOCs	Styrene	100-42-5	530	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Toluene	108-88-3	5400	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	0.64 J	4.2 U	1.2 J	1.1 J	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	4.3 J	4.9 R	260 U
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	1.9 J	5.3 U	5.1 U	3.4 J	0.72 J	4.8	5.7 U	4.5 U	4.7 UJ	270 U	2.1 J	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 UJ	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 UJ	4.5 UJ	340 U	5.1 U	4.9 R	260 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	6.2 U	5.8 U	5.8 U	5.2 U	330 U	4 U	5.3 U	5.1 U	4.2 U	4.8 U	4.5 U	5.7 U	4.5 U	4.7 UJ	270 U	5.2 U	4.9 U	330 U	4.5 UJ	340 U	5.1 U	4.9 R	260 U

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table B - Year 1 VOC Analytical Data Table

	Location				RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-21	RI-SB-21	RI-SB-21	RI-SB-21	RI-SB-22	RI-SB-22	RI-SB-22
	Sample #				RI-SB-16-0-0.5	RI-SB-16-1-2	RI-SB-16-13-14	RI-SB-16-13-14_ME	RI-SB-17-0-0.5	RI-SB-17-1-2	RI-SB-17-8-9	RI-SB-18-0-0.5	RI-SB-18-1-2	RI-SB-18-3-4	RI-SB-19-0-0.5	RI-SB-19-1-2	RI-SB-19-6-7	RI-SB-20-0-0.5	RI-SB-20-1-2	RI-SB-20-5-6	RI-SB-21-0-0.5	RI-SB-21-0-0.5_ME	RI-SB-21-1-2	RI-SB-21-9-10	RI-SB-22-0-0.5	RI-SB-22-1-2	RI-SB-22-15-15.5
	Start Depth				0	1	13	13	0	1	8	0	1	3	0	1	6	0	1	5	0	0	1	9	0	1	15
	End Depth				0.5	2	14	14	0.5	2	9	0.5	2	4	0.5	2	7	0.5	2	6	0.5	0.5	2	10	0.5	2	15.5
	Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	Sample Type				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Parent Sample #				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sample Date				9/19/2023	9/19/2023	9/19/2023	9/19/2023	8/17/2023	8/17/2023	8/17/2023	8/21/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/23/2023	8/23/2023	8/23/2023	8/16/2023	8/16/2023	8/16/2023	8/16/2023	8/15/2023	8/15/2023	8/15/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	1400	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	2.3 J	17	61	3.8 U	5.6 U	2.3 J-	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 R	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 R	310 U	5 R	3.9 R	6.1 UJ	4.8 R	4.5 R
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,1-Dichloroethane	75-34-3	15.6	µg/kg	5.6 U	1.3 J	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 UJ	9.9	7.2	3.8 U	5.6 U	3.7 U	6.3 R	310 U	5 UJ	3.9 R	6.1 U	4.8 R	4.5 R
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	**42**	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2,3-Trichloropropane	96-18-4	0.0064	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	2 J	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	1.2 J	7.5	43 J+	**440**	4.1 U	3.9 J	16 J+	4.9 U	5.2 U	5.4 U	5.2 U	13	4.6 U	3.8 U	15	9.3	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 R	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 R	310 U	5 R	3.9 R	6.1 UJ	4.8 R	4.5 R
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	5.6 U	3.5 J	31 J+	**350**	4.1 U	1.9 J	11 J+	4.9 U	5.2 U	5.4 U	5.2 U	4.5 J	4.6 U	3.8 U	7.2	3.8	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	11 U	10 U	9.8 R	570 U	6.5 J	9.3 U	7.7 J	9.8 U	10 U	11	10 U	9.4 J	9.2 U	7.7 U	11 U	7.4 U	13 U	610 U	10 U	7.8 R	12 U	9.6 U	23 J-
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	11 U	10 U	9.8 R	570 U	8.1 U	9.3 U	13 U	9.8 U	10 U	11 U	10 U	11 U	9.2 U	7.7 U	11 U	7.4 U	13 U	610 U	10 U	7.8 R	12 U	9.6 U	**22 J-**
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	11 U	10 U	9.8 R	570 U	8.1 U	9.3 U	13 U	9.8 U	10 U	11 U	10 U	11 U	9.2 U	7.7 U	11 U	7.4 U	13 U	610 U	10 U	7.8 R	12 U	9.6 U	9 R
VOCs	Acetone	67-64-1	7400	µg/kg	12	10	9.8 R	570 U	23	20 U	40	25 U	10 U	72 J+	26 U	37	9.2 U	7.7 U	16	20	25 U	610 U	18 U	18 U	24 U	18 U	18 U
VOCs	Benzene	71-43-2	**52**	µg/kg	5.6 U	5.2 U	4.9 R	280 U	1.2 J	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Bromochloromethane	74-97-5	42	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 UJ	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 R	310 U	5 UJ	3.9 R	6.1 U	4.8 R	4.5 R
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Bromoform	75-25-2	420	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 UJ	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 R	310 U	5 UJ	3.9 R	6.1 U	4.8 R	4.5 R
VOCs	Bromomethane	74-83-9	3.8	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	40	6.4	4.9 R	280 UJ	6.3	2.1 J	11	1.4 J	1.5 J	6.9	13	10	4.6 U	3.8 U	2.5 J	1.5 J	4.8 J-	310 U	5 U	3.9 R	2.7 J	4.7 J	4.5 U
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Chloroform	67-66-3	320	µg/kg	5.6 U	12	4.9 R	280 U	2.6 J	4.7 U	6.3 U	2.1 J	5.2 U	5.4 U	29 J-	44	43	3.8 U	5.6 U	5.1	46 J-	310 U	39 J-	38 J+	36	44 J-	40 J-
VOCs	Chloromethane	74-87-3	98	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 UJ	5.4 UJ	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	5.6 U	40	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	1.7 J	35 J+	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	4.7 J+	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 UJ	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 R	310 U	5 UJ	3.9 R	6.1 U	4.8 R	4.5 R
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	1.9 J	0.69 J	3.7 J+	60 J	4.1 U	1.5 J	2.1 J	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.1 J	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	5.6 U	0.6 J	4.9 R	280 U	4.1 U	4.7 U	6.3 UJ	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	8.7	2.2 J	25 J+	280	1.3 J	3.3 J	6.3	4.9 U	5.2 U	5.4 U	5.2 U	1.8 J	4.6 U	3.8 U	3.3 J	8.8	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Methylcyclohexane	108-87-2	880	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.3 J	150 J+	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	25 J+	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Methylene Chloride	75-09-2	26	µg/kg	5.6 U	14 J+	4.9 R	280 UJ	6.9 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	8.3	7.1 UJ	7.2 U	5 U	5 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	3.5 J	1.3 J	46 J+	310	4.1 U	1.5 J	6.7	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	2.4 J	8.2	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Styrene	100-42-5	530	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	2.9 J	**63**	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	19	24	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Toluene	108-88-3	5400	µg/kg	5.6 U	0.91 J	4.9 R	280 U	2.8 J	6.9	2.2 J	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	2.1 J	1.2 J	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	5.6 U	2 J	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	5.6 U	6.3	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	3.1 J	1.7 J	2.7 J	5 J	14	3.8 U	5.6 U	3.7 U	24	310 U	13	21 J+	2 J	25	34
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	5.6 U	5.2 U	4.9 R	280 UJ	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 UJ	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	5.6 U	5.2 U	4.9 R	280 U	4.1 U	4.7 U	6.3 U	4.9 U	5.2 U	5.4 U	5.2 U	5.6 U	4.6 U	3.8 U	5.6 U	3.7 U	6.3 U	310 U	5 U	3.9 R	6.1 U	4.8 U	4.5 U

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table B - Year 1 VOC Analytical Data Table

	Location				RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-24	RI-SB-24	RI-SB-24	RI-SB-24	RI-SB-25	RI-SB-25	RI-SB-25	RI-SB-25	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26
	Sample #				RI-SB-23-0-0.5	RI-SB-23-0-0.5_ME	RI-SB-23-1-2	RI-SB-23-1-2_ME	RI-SB-23-17-18	RI-SB-23-17-18_ME	RI-SB-23A-0-0.5	RI-SB-23A-0-0.5_ME	RI-SB-24-0-0.5	RI-SB-24-1-2	RI-SB-24-9-10	RI-SB-24-9-10_ME	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18	RI-SB-25-17-18_ME	RI-SB-26-0-0.5	RI-SB-26-0-0.5_ME	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2
	Start Depth				0	0	1	1	17	17	0	0	0	1	9	9	0	1	17	17	0	0	1	2	1
	End Depth				0.5	0.5	2	2	18	18	0.5	0.5	0.5	2	10	10	0.5	2	18	18	0.5	0.5	2	3	2
	Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	Sample Type				N	N	N	N	N	N	FD	FD	N	N	N	N	N	N	N	N	N	N	N	N	FD
	Parent Sample #				-	-	-	-	-	-	RI-SB-23-0-0.5	RI-SB-23-0-0.5	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-26-1-2
	Sample Date				8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	1400	µg/kg	1.4 J-	300 UJ	3.9 UJ	250 U	5 UJ	330 U	2.4 J-	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	4.8 R	300 U	3.9 U	250 U	5 U	330 U	5.4 R	290 U	5.3 UJ	4.9 R	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	4.8 UJ	300 UJ	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 UJ	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	1,1-Dichloroethane	75-34-3	15.6	µg/kg	4.8 R	300 U	3.9 U	250 U	5 U	330 U	5.4 R	290 U	5.3 U	4.9 R	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	4.8 UJ	300 U	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	**42**	µg/kg	4.8 U	300 UJ	3.9 U	250 U	5 U	330 U	5.4 U	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,2,3-Trichloropropane	96-18-4	0.0064	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	4.8 U	300 UJ	3.9 U	250 U	5 U	330 U	5.4 U	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	2.7 J	300 U	6.8	250 U	**690**	52 J	3.6 J	290 U	5.3 U	1.2 J	120 J+	**630**	5.4 U	5 U	**690**	**7200**	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	4.8 R	300 U	3.9 U	250 U	5 U	330 U	5.4 R	290 U	5.3 UJ	4.9 R	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	4.8 UJ	300 UJ	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	4.8 U	300 UJ	3.9 U	250 U	5 U	330 U	5.4 U	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	4.8 UJ	300 UJ	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 UJ	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	1.3 J	300 U	1.7 J	250 U	**310**	330 U	1.6 J	290 U	5.3 U	4.9 U	5.2 R	36 J	5.4 U	5 U	9	120 J	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	4.8 U	300 UJ	3.9 U	250 U	5 U	330 U	5.4 U	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	4.8 U	300 UJ	3.9 U	250 U	5 U	330 U	5.4 U	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	9.6 U	610 U	7.9 U	490 U	9.9 U	660 U	15 J-	580 U	11 U	9.8 U	22 J+	540 U	11 U	10 U	13 U	730 U	12 U	810 U	9.1 U	28	6.2 J
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	9.6 U	610 U	7.9 U	490 U	9.9 U	660 U	**19 J-**	580 U	11 U	9.8 U	10 R	540 U	11 U	10 U	13 U	730 U	12 U	810 U	9.1 U	8.3 U	11 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	9.6 U	610 U	7.9 U	490 U	9.9 U	660 U	11 R	580 U	11 U	9.8 U	10 R	540 U	11 U	10 U	13 U	730 U	12 U	810 U	9.1 U	8.3 U	11 U
VOCs	Acetone	67-64-1	7400	µg/kg	11 J-	610 U	13 J-	490 U	21 J-	660 U	16 J-	580 U	13 J+	9.8 U	110 J+	540 U	11 J+	10 U	19	730 U	12 U	810 U	17	70	24
VOCs	Benzene	71-43-2	**52**	µg/kg	4.8 U	300 U	3.9 U	250 U	27	**67 J**	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	3.4 J	360 U	5.8 U	400 U	4.5 U	2 J	5.3 U
VOCs	Bromochloromethane	74-97-5	42	µg/kg	4.8 R	300 U	3.9 U	250 U	5 U	330 U	5.4 R	290 U	5.3 U	4.9 R	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Bromoform	75-25-2	420	µg/kg	4.8 R	300 U	3.9 U	250 U	5 U	330 U	5.4 R	290 U	5.3 U	4.9 R	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	Bromomethane	74-83-9	3.8	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	4.8 U	300 U	3.9 U	250 U	5.7 J-	73 J	5.4 U	290 U	5.7	16	19 J+	140 J	2.5 J	5 U	16	360 UJ	5.8 U	400 UJ	2.7 J	6.6	4.1 J
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	4.8 UJ	300 UJ	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 UJ	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	4.8 U	300 UJ	3.9 U	250 U	5 U	330 U	5.4 U	290 UJ	5.3 U	4.9 U	33 J+	490 J+	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	Chloroform	67-66-3	320	µg/kg	29 J-	300 U	3.9 U	250 U	5 U	330 U	34 J-	290 U	21	43 J-	5.2 UJ	270 U	1.2 J	5 U	6.3 U	360 U	5.8 U	400 U	1.8 J	4.2 U	2.7 J
VOCs	Chloromethane	74-87-3	98	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	4.8 UJ	300 U	3.9 UJ	250 U	1.6 J-	330 U	5.4 UJ	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	2.4 J	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	4.8 U	300 U	3.9 U	250 U	13	63 J	5.4 U	290 U	5.3 U	4.9 U	8.2 J+	91 J+	5.4 U	5 U	43	330 J	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	4.8 R	300 U	3.9 U	250 U	5 U	330 U	5.4 R	290 U	5.3 U	4.9 R	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	4.8 U	300 U	3.9 U	250 U	320	330 U	5.4 U	290 U	5.3 U	4.9 U	26 J+	300	3.4 J	5 U	41	**390**	5.8 U	400 U	4.5 U	1.3 J	5.3 U
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	4.8 U	300 U	3.9 U	250 U	120	260 J	5.4 U	290 U	5.3 U	4.9 U	31 J+	150 J	5.4 U	5 U	69	910	5.8 UJ	400 U	4.5 U	4.2 U	5.3 U
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	4.8 U	300 U	3.9 U	250 U	**2000**	370	5.4 U	290 U	5.3 U	4.9 U	9.8 J+	340	16	5 U	41	360	5.8 U	400 U	4.5 U	1.1 J	5.3 U
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	4.8 UJ	300 UJ	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 UJ	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	4.8 UJ	300 UJ	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 UJ	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	Methylcylohexane	108-87-2	880	µg/kg	4.8 U	300 U	3.9 U	250 U	76	390	5.4 U	290 U	5.3 U	1.4 J	17 J+	250 J+	5.4 U	5 U	51	580	5.8 U	100 J	4.5 U	4.2 U	5.3 U
VOCs	Methylene Chloride	75-09-2	26	µg/kg	8.5 UJ	300 UJ	5.5 UJ	250 U	11 J-	330 U	12 J-	290 UJ	10	5.2 U	13 J+	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.7 U	4.2 U	5.3 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	4.8 U	300 U	3.9 U	250 U	**1100**	65 J	5.4 U	290 U	5.3 U	4.9 U	3.2 J+	70 J	7.3	5 U	11	91 J	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Styrene	100-42-5	530	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	**52**	**120 J**	4.8	**84 J**	5 U	330 U	**69**	**230 J**	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Toluene	108-88-3	5400	µg/kg	4.8 U	300 U	3.9 U	250 U	86	330 U	5.4 U	290 U	5.3 U	4.9 U	1.6 J+	270 U	5.4 U	5 U	11	360 U	5.8 U	400 U	1.4 J	2.2 J	5.3 U
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	4.8 UJ	300 U	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	2.5 J	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 R	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	31	300 U	3.9 U	250 U	5 U	330 U	35	290 U	1.4 J	16	5.2 R	270 U	5.4 U	5 U	14	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	4.8 UJ	300 UJ	3.9 UJ	250 U	5 UJ	330 U	5.4 UJ	290 UJ	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 UJ	5.8 U	400 UJ	4.5 U	4.2 U	5.3 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	4.8 U	300 U	3.9 U	250 U	5 U	330 U	5.4 U	290 U	5.3 U	4.9 U	5.2 UJ	270 U	5.4 U	5 U	6.3 U	360 U	5.8 U	400 U	4.5 U	4.2 U	5.3 U

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table B - Year 1 VOC Analytical Data Table

Location					RI-SB-27	RI-SB-27	RI-SB-27	RI-SB-27	RI-SB-30	RI-SB-30	RI-SB-30	RI-SB-30	RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35	RI-SB-35
Sample #					RI-SB-27-0-0.5	RI-SB-27-0-0.5_ME	RI-SB-27-1-2	RI-SB-27-14-15	RI-SB-30-0-0.5	RI-SB-30-0-0.5_ME	RI-SB-30-1-2	RI-SB-30-2-3	RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-1-2_ME	RI-SB-32-18-19	RI-SB-32-18-19_ME	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10	RI-SB-35-9-10_ME
Start Depth					0	0	1	14	0	0	1	2	0	1	4	0	1	1	18	18	0	1	9	9
End Depth					0.5	0.5	2	15	0.5	0.5	2	3	0.5	2	5	0.5	2	2	19	19	0.5	2	10	10
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					8/21/2023	8/21/2023	8/21/2023	8/21/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	1400	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 UJ	5.9 UJ	8.5 U	4.4 R	5.2 U	290 U	5.7 U	330 U	4.3 R	4.3 R	4.9 R	320 U
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,1-Dichloroethane	75-34-3	15.6	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 UJ	5.2 U	290 U	5.7 U	330 U	4.3 UJ	4.3 R	4.9 R	320 U
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	**42**	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 UJ	8.5 U	4.4 U	5.2 UJ	290 U	5.7 UJ	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,2,3-Trichloropropane	96-18-4	0.0064	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 UJ	290 U	5.7 UJ	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 UJ	8.5 U	4.4 U	5.2 UJ	290 U	5.7 UJ	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	5.6 UJ	270 U	5.2 U	5.3	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 UJ	290 U	6.2 J+	330 U	4.3 U	4.3 U	**250 J+**	**950**
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 UJ	5.9 UJ	8.5 U	4.4 R	5.2 UJ	290 U	5.7 UJ	330 U	4.3 R	4.3 R	4.9 R	320 U
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 UJ	8.5 U	4.4 U	5.2 UJ	290 U	5.7 UJ	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	5.6 UJ	270 U	5.2 U	2.1 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 UJ	290 U	2.9 J+	330 U	4.3 U	4.3 U	**230 J+**	**570**
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 UJ	8.5 U	4.4 U	5.2 UJ	290 U	5.7 UJ	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 UJ	8.5 U	4.4 U	5.2 UJ	290 U	5.7 UJ	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	11 U	530 U	10 U	13	11 UJ	560 U	12 U	10 U	11 U	12 U	17 U	6.8 J	10 U	580 U	10 J	660 U	8.5 U	15 J-	9.9 R	630 U
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	11 U	530 U	10 U	9.4 U	11 U	560 U	12 U	10 U	11 U	12 U	17 U	8.8 U	10 U	580 U	11 U	660 U	8.5 U	11 J-	9.9 R	630 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	11 U	530 U	10 U	9.4 U	11 U	560 U	12 U	10 U	11 U	12 U	17 U	8.8 U	10 U	580 U	11 U	660 U	8.5 U	8.6 R	9.9 R	630 U
VOCs	Acetone	67-64-1	7400	µg/kg	11 U	530 U	10 U	80	11 UJ	560 U	12 U	6.9 J	5.5 J	12 U	14 J	28	14	580 U	31	660 U	7.6 J	9.1 J-	9.9 R	630 U
VOCs	Benzene	71-43-2	**52**	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	Bromochloromethane	74-97-5	42	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 UJ	5.2 U	290 U	5.7 U	330 U	4.3 UJ	4.3 R	4.9 R	320 U
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	Bromoform	75-25-2	420	µg/kg	5.6 UJ	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 UJ	5.2 UJ	290 U	5.7 UJ	330 U	4.3 UJ	4.3 R	4.9 R	320 U
VOCs	Bromomethane	74-83-9	3.8	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	1.9 J	270 U	5.2 U	6.1	5.3 UJ	280 U	1.3 J	4.4 J	5.4 U	2.8 J	8.5 U	3.6 J	5.2 U	290 UJ	2 J	330 U	1.3 J	4.3 U	28 J+	78 J-
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Chlorobenzene	108-90-7	500	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 UJ	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Chloroethane	75-00-3	3400	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Chloroform	67-66-3	320	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 UJ	280 U	6 U	5.1 U	22	19	17	23 J-	5.2 U	290 U	5.7 U	330 U	31 J-	33 J-	4.9 R	320 U
VOCs	Chloromethane	74-87-3	98	µg/kg	5.6 UJ	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	5.6 U	270 U	5.2 U	2.3 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	40 J
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 UJ	5.2 U	290 U	5.7 U	330 U	4.3 UJ	4.3 R	4.9 R	320 U
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	5.6 U	270 U	5.2 U	1.5 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	36 J+	230 J
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	5.6 UJ	270 U	5.2 U	1.2 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 UJ	290 U	2 J+	330 U	4.3 U	4.3 U	48 J+	120 J
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	5.6 U	270 U	5.2 U	3.6 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	3 J	330 U	4.3 U	4.3 U	200 J+	**980**
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Methylcylohexane	108-87-2	880	µg/kg	5.6 U	270 U	5.2 U	2.8 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	1.6 J	330 U	4.3 U	4.3 U	31 J+	280 J
VOCs	Methylene Chloride	75-09-2	26	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	13 J+	4.4 U	5.2 U	290 UJ	9.9 J+	330 U	4.3 U	4.3 U	21 J+	320 UJ
VOCs	o-Xylene	95-47-6	**380**	µg/kg	5.6 U	270 U	5.2 U	2.3 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	1.8 J	330 U	4.3 U	4.3 U	170 J+	**600**
VOCs	Styrene	100-42-5	530	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	13	24	**60**	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	Toluene	108-88-3	5400	µg/kg	5.6 U	270 U	5.2 U	1.5 J	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	1.6 J	5.2 U	290 U	2.1 J	330 U	4.3 U	4.3 U	9.1 J+	320 U
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 U	280 U	6 U	5.1 U	1.3 J	1 J	8.5 U	1.7 J	5.2 U	290 U	5.7 U	330 U	5.5	26	4.9 R	320 U
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	5.6 U	270 U	5.2 UJ	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 UJ	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 UJ
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	5.6 U	270 U	5.2 U	4.7 U	5.3 UJ	280 U	6 U	5.1 U	5.4 U	5.9 U	8.5 U	4.4 U	5.2 U	290 U	5.7 U	330 U	4.3 U	4.3 U	4.9 R	320 U

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table B - Year 1 VOC Analytical Data Table

Location					RI-SB-39	RI-SB-39	RI-SB-39	RI-SB-39	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-42	RI-SB-42	RI-SB-42	RI-SB-42	RI-SB-42
Sample #					RI-SB-39-0-0.5	RI-SB-39-1-2	RI-SB-39-2-3	RI-SB-39-2-3_ME	RI-SB-40-0-0.5	RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40-1-2	RI-SB-40A-1-2_ME	RI-SB-42-0-0.5	RI-SB-42-0-0.5_ME	RI-SB-42-1-2	RI-SB-42-1-2_ME	RI-SB-42-19-20
Start Depth					0	1	2	2	0	1	3	1	1	0	0	1	1	19
End Depth					0.5	2	3	3	0.5	2	4	2	2	0.5	0.5	2	2	20
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	FD	FD	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	RI-SB-40-1-2	RI-SB-40-1-2	-	-	-	-	-
Sample Date					9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/21/2023	9/21/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	1400	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	6.4 U	4.4 UJ	5.4 U	270 U	5.6 U	5.8 U	6 R	6.2 U	360 U	5.5 U	290 U	5.2 R	300 U	5.4 R
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,1-Dichloroethane	75-34-3	15.6	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 R	6.2 U	360 U	5.5 U	290 U	5.2 UJ	300 U	5.4 UJ
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	**42**	µg/kg	6.4 UJ	4.4 UJ	5.4 UJ	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,2,3-Trichloropropane	96-18-4	0.0064	µg/kg	6.4 U	4.4 U	5.4 UJ	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	6.4 UJ	4.4 UJ	5.4 UJ	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	6.4 U	0.91 J	5.4 UJ	270 U	5.6 U	5.8 U	36	6.2 U	360 U	7.3	290 U	5.2	300 U	26
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	6.4 U	4.4 UJ	5.4 UJ	270 U	5.6 U	5.8 U	6 R	6.2 U	360 U	5.5 U	290 U	5.2 R	300 U	5.4 R
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	6.4 UJ	4.4 UJ	5.4 UJ	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	6.4 U	4.4 U	5.4 UJ	270 U	5.6 U	5.8 U	13	6.2 U	360 U	2.4 J	290 U	1.7 J	300 U	8.7
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	6.4 UJ	4.4 UJ	5.4 UJ	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	6.4 UJ	4.4 UJ	5.4 UJ	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	13 U	6.2 J	11 U	540 U	11 U	12 U	12	12 U	730 U	11 U	590 U	11	610 U	11 U
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	13 U	8.8 U	11 U	540 U	11 U	12 U	12 U	12 U	730 U	11 U	590 U	10 U	610 U	11 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	13 U	8.8 U	11 U	540 U	11 U	12 U	12 U	12 U	730 U	11 U	590 U	10 U	610 U	11 U
VOCs	Acetone	67-64-1	7400	µg/kg	26	34	11 U	540 U	6.6 J	12 U	39	12 U	730 U	5.1 J	590 U	31	610 U	18
VOCs	Benzene	71-43-2	**52**	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	7.8	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	3.4 J
VOCs	Bromochloromethane	74-97-5	42	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 R	6.2 U	360 U	5.5 U	290 U	5.2 UJ	300 U	5.4 UJ
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Bromoform	75-25-2	420	µg/kg	6.4 U	4.4 U	5.4 UJ	270 U	5.6 U	5.8 U	6 R	6.2 U	360 U	5.5 U	290 U	5.2 UJ	300 U	5.4 UJ
VOCs	Bromomethane	74-83-9	3.8	µg/kg	6.4 U	4.4 U	5.4 U	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 UJ	5.2 U	300 UJ	5.4 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	6.4 U	1.6 J	5.4 U	270 UJ	5.6 U	5.8 U	3.3 J	6.2 U	360 UJ	5.5 U	290 UJ	5.2 U	300 UJ	5.4 U
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	6.4 U	4.4 U	5.4 U	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 UJ	5.2 U	300 UJ	5.4 U
VOCs	Chloroform	67-66-3	320	µg/kg	5.2 J	13	5.4 U	270 U	5.6 U	5.8 U	39 J-	6.2 U	360 U	3.6 J	290 U	33 J-	300 U	44 J-
VOCs	Chloromethane	74-87-3	98	µg/kg	6.4 U	4.4 U	5.4 U	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 UJ	5.2 U	300 UJ	5.4 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	13	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	1.4 J
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 R	6.2 U	360 U	5.5 U	290 U	5.2 UJ	300 U	5.4 UJ
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	6.4 U	4.4 U	5.4 U	270 UJ	5.6 U	5.8 U	6 U	6.2 U	360 UJ	5.5 U	290 UJ	5.2 U	300 UJ	5.4 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	4.1 J	6.2 U	360 U	140	290	58	300 U	1.9 J
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	6.4 U	4.4 U	5.4 UJ	270 U	5.6 U	5.8 U	1.8 J	6.2 U	360 U	2.5 J	290 U	1.3 J	300 U	1.1 J
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	15	6.2 U	360 U	**800**	**1600**	330	160 J	8.5
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	6.9	170 J	5.4 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Methylcylohexane	108-87-2	880	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	46	6.2 U	360 U	1.5 J	290 U	1.9 J	300 U	3 J
VOCs	Methylene Chloride	75-09-2	26	µg/kg	6.4 U	4.4 U	7.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	11	6.2 U	360 U	300	**650**	130	75 J	5.1 J
VOCs	Styrene	100-42-5	530	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Toluene	108-88-3	5400	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	7.6	6.2 U	360 U	0.9 J	290 U	0.69 J	300 U	4.9 J
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	6.4 U	1.9 J	5.4 U	270 U	5.6 U	5.8 U	**46**	4.2 J	360 U	5.5 U	290 U	3.6 J	300 U	8.4
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	6.4 UJ	4.4 UJ	5.4 U	270 UJ	5.6 U	5.8 UJ	6 UJ	6.2 U	360 UJ	5.5 U	290 U	5.2 U	300 U	5.4 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	6.4 U	4.4 U	5.4 U	270 U	5.6 U	5.8 U	6 U	6.2 U	360 U	5.5 U	290 U	5.2 U	300 U	5.4 U

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table C - Year 1 SVOC Analytical Data Table

	Location				RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-10	RI-SB-10	RI-SB-10
	Sample #				RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-03-0-0.5	RI-SB-03-1-2	RI-SB-03-3-4	RI-SB-04-0-0.5	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-05-0-0.5	RI-SB-05-1-2	RI-SB-05-3-4	RI-SB-05A-1-2	RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5	RI-SB-08-0-0.5	RI-SB-08-1-2	RI-SB-08-4-5	RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5
	Start Depth				0	1	4	0	1	4	1	0	1	3	0	1	5	0	1	3	1	0	1	4	0	1	4	0	1	4
	End Depth				0.5	2	5	0.5	2	5	2	0.5	2	4	0.5	2	6	0.5	2	4	2	0.5	2	5	0.5	2	5	0.5	2	5
	Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	Sample Type				N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
	Parent Sample #				-	-	-	-	-	-	RI-SB-02-1-2	-	-	-	-	-	-	-	-	-	RI-SB-05-1-2	-	-	-	-	-	-	-	-	-
	Sample Date				8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/18/2023	8/18/2023	8/18/2023	8/29/2023	8/29/2023	8/29/2023	8/16/2023	8/16/2023	8/16/2023	8/16/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/12/2023	9/12/2023	9/12/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	8.4 U	7.5 U	7.3 U	7.2 U	7.5 U	8.2 U	7.7 UJ	7.4 U	7.7 U	8.1 U	7.6 U	7.5 U	7.7 U	8.1 U	7.5 U	7.5 U	7.4 U	7.3 U	7.2 U	7.4 U	8.1 U	7.5 U	7.5 U	7.1 U	7.2 U	7.1 U
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**5.8**	**5.6**	**8.5**	**71**	**18**	**93**	**6.6 J-**	**2.3 J**	**6.7**	**6.3**	**2.1 J**	**5.3**	**6.6**	**1.7 J**	**3.9**	**1.5 J**	**4.7**	3.7 U	3.6 U	**39**	**32**	**7.5 J**	**19 J**	**5.4**	**2.5 J**	**8.8**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	220 U	190 U	190 U	190 U	190 UJ	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 UJ	190 U	180 U	180 U	180 UJ
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	420 UJ	380 U	360 U	360 UJ	370 UJ	410 U	380 U	370 UJ	380 U	400 U	380 U	370 UJ	380 UJ	400 U	380 UJ	370 UJ	370 UJ	370 U	360 U	370 U	400 UJ	380 UJ	370 U	360 UJ	360 UJ	350 UJ
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 R	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	5.9	9.8	13	120	29	150	8.8 J-	3.4 J	9.9	8.5	2.9 J	14	8.7	3.2 J	9.8	4.6	12	3.7 U	3.6 U	58	46	11	25	8.5	4	14
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	420 U	380 U	360 U	360 U	370 UJ	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 UJ	370 U	360 U	360 U	350 UJ
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	220 UJ	190 U	190 U	190 U	190 U	210 U	190 U	190 UJ	200 U	210 U	190 U	190 UJ	200 UJ	200 U	190 UJ	190 UJ	190 UJ	190 U	190 U	190 U	210 UJ	190 UJ	190 U	180 UJ	180 UJ	180 UJ
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	420 U	380 U	360 U	360 UJ	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	420 UJ	380 U	360 U	360 U	370 U	410 U	380 U	370 UJ	380 U	400 U	380 U	370 UJ	380 UJ	400 U	380 UJ	370 UJ	370 UJ	370 U	360 U	370 U	400 UJ	380 UJ	370 U	360 UJ	360 UJ	350 UJ
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	420 UJ	380 U	360 U	360 U	370 U	410 U	380 U	370 UJ	380 U	400 U	380 U	370 UJ	380 UJ	400 UJ	380 UJ	370 UJ	370 UJ	370 UJ	360 UJ	370 UJ	400 UJ	380 UJ	370 U	360 UJ	360 UJ	350 UJ
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	420 U	380 U	360 U	360 U	370 UJ	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 UJ	380 UJ	370 U	360 UJ	360 UJ	350 UJ
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	420 UJ	380 U	360 U	360 U	370 U	410 U	380 U	370 UJ	380 U	400 U	380 U	370 UJ	380 UJ	400 U	380 UJ	370 UJ	370 UJ	370 U	360 U	370 U	400 UJ	380 UJ	370 U	360 UJ	360 UJ	350 UJ
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	420 UJ	380 U	360 U	360 U	370 U	410 U	380 U	370 UJ	380 U	400 U	380 U	370 UJ	380 UJ	400 U	380 UJ	370 UJ	370 UJ	370 U	360 U	370 U	400 UJ	380 UJ	370 U	360 UJ	360 UJ	350 UJ
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	1.7 J	1.6 J	3.6 U	17	7.3	15	4.2 J-	3.7 U	1.7 J	1.4 J	1.9 J	7	4.8	0.96 J	2.1 J	5.1	2.7 J	3.7 U	3.6 U	3.2 J	5.6 J-	2.4 J	17	2.9 J	3.6 U	3.5 U
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	2.7 J	2.2 J	3.6 U	6.8	3.7	4 J	1.6 J-	3.7 U	1.4 J	4 U	3.8 U	3 J	8	6.7	1.7 J	1.7 J	3.4 J	3.7 U	3.6 U	7.6	1.7 J-	7.9	39	5.2	3.6 U	3.5 U
SVOCs	Acetophenone	98-86-2	1160	µg/kg	62 J	78 J	89 J	44 J	59 J	410 U	60 J	57 J	380 U	62 J	120 J	220 J	120 J	220 J	53 J	73 J	69 J	130 J	78 J	57 J	400 UJ	390	330 J	360 UJ	150 J	150 J
SVOCs	Anthracene	120-12-7	41000	µg/kg	7.2	4.7	1.3 J	21	11	18	8 J-	1.7 J	4.1	2.8 J	2.1 J	16	23	9.5	4.1	18	6.3	3.7 U	3.6 U	18	9.7	6.3	53	7	3.6 U	3.5 U
SVOCs	Atrazine	1912-24-9	38	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	190 U	370 U	360 U	360 U	350 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	26	22	4.2	51	40	48	27 J-	16	26	19	27	**250**	110	27	32	**300**	39	1.3 J	1.7 J	**240**	25	27	**240**	36	2.6 J	0.91 J
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	20	27	4	91 J+	55	66	30 J-	21	39	26	59	**250**	**120**	40	40	**220**	49	1.9 J	2.2 J	**260**	30	37	**280**	94	3.9	3.5 U
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	29	38	5.4	190	76	76 J+	36 J-	30	47	30	81	430	150	54	97	490	130	3.5 J	7.5	550	46	50	340	120	6.5	2 J
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	18	18	2.6 J	52	33	53	19 J-	21	37	21	57	260	53	58	61	250	75	3.7	5.1	280	33	33	190	210	7.4	1.7 J
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	9.5	13	2.2 J	29	26	19	12 J-	10	16	10	23	160	39	17	27	140	30	1.5 J	1.9 J	180	14	17	100	29	2.3 J	0.8 J
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	220 U	190 U	190 U	190 UJ	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	220 U	190 U	43 J	300 J+	2700	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	110 J	180 U	180 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	Carbazole	86-74-8	1100	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	30	28	4.7	110 J+	68	79 J+	27 J-	19	27	20	28	330	120	38	120	430	130	2.9 J	10	380	52	33	260	170	8.3	2.7 J
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	4.2 U	5.1	3.6 U	15	10	4.1 U	6.1 J-	5.6	9.5	5.3	15	59	15	10	14	48	17	3.7 U	3.6 U	75	8.8	8.3	35	3.6 U	3.6 U	3.5 U
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	37 J	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	220 U	190 UJ	190 U	190 U	190 U	210 UJ	190 UJ	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	220 U	190 U	190 U	99 J	230	190 J	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	Fluoranthene	206-44-0	5500	µg/kg	130	38	7.3	220 J+	140	200 J+	47 J-	23	32	26	21	590	250	35	50	990	47	2.7 J	3.2 J	520	60	38	550	100	5.9	1.4 J
SVOCs	Fluorene	86-73-7	5300	µg/kg	4.2 U	1.2 J	3.6 U	17	8.2	14	3.6 J-	3.7 U	1 J	0.94 J	3.8 U	1.8 J	5.6	1 J	0.95 J	0.87 J	1.5 J	3.7 U	3.6 U	2.2 J	4.4 J-	1.3 J	25	2.1 J	3.6 U	3.5 U
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	Hexachlorobenzene	118-74-1	78	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	65 J	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	380 U	370 U	360 U	360 U	350 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	13	15	2.3 J	42	29	35	19 J-	19	32	19	48	200	47	35	46	200	55	2.2 J	4.2	240	22	26	130	49	2.9 J	3.5 U
SVOCs	Isophorone	78-59-1	520	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 UJ	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 UJ	180 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	2.2 J	**7.6**	**8**	**55**	**28**	**280**	**8.5 J-**	4.1	**11**	6.6	2.6 J	**12**	**7.9**	2.1 J	6.1	**12**	7.4	0.96 J	1.8 J	**63**	**19**	**8.4**	**28**	4.4	3.3 J	6.7
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	200 U	210 U	190 U	190 U	200 U	200 U	190 U	190 U	190 U	190 U	190 U	190 U	210 U	190 U	190 U	180 U	180 U	180 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	8.5 U	7.6 U	7.4 U	7.3 U	7.6 U	8.3 U	7.7 UJ	7.5 U	7.8 U	8.2 U	7.7 U	7.6 U	7.8 U	8.1 U	7.6 U	7.6 U	7.5 U	7.4 U	7.3 U	7.5 U	8.2 U	7.6 U	7.6 U	7.2 U	7.3 U	7.2 U
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	60	18	8.1	140	59	100	38 J-	9.3	19	17	8.8	160	110	15	23	760	29	1.6 J	3.2 J	290	66	24	390	27	5.7	5.2
SVOCs	Phenol	108-95-2	6600	µg/kg	420 U	380 U	360 U	360 U	370 U	410 U	380 U	370 U	380 U	400 U	380 U	370 U	380 U	400 U	380 U	370 U	370 U	370 U	360 U	370 U	400 U	130 J	56 J	360 U	360 U	350 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	67	37	6.1	200 J+	150	170 J+	41 J-	23	29	23	22	450	210	42	87	700	110	3.1 J	2.4 J	430	51	35	460	220	9.1	1.9 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table C - Year 1 SVOC Analytical Data Table

					Location																								
					Sample #	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-12-0-0.5	RI-SB-12-1-2	RI-SB-12-16-17	RI-SB-12-12A-0-0.5	RI-SB-13-0-0.5	RI-SB-13-1-2	RI-SB-13-19-20	RI-SB-14-0-0.5	RI-SB-14-1-2	RI-SB-15-0-0.5	RI-SB-15-1-2	RI-SB-15-15-23-24	RI-SB-15-41-42	RI-SB-15-8-9	RI-SB-15A-0-0.5	RI-SB-16-0-0.5	RI-SB-16-1-2	RI-SB-16-13-14	RI-SB-17-0-0.5	RI-SB-17-1-2	RI-SB-17-8-9
					Start Depth	0	1	7	0	1	16	0	0	1	19	0	1	0	1	23	41	8	0	0	1	13	0	1	8
					End Depth	0.5	2	8	0.5	2	17	0.5	0.5	2	20	0.5	2	0.5	2	24	42	9	0.5	0.5	2	14	0.5	2	9
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
					Parent Sample #	-	-	-	-	-	-	RI-SB-12-0-0.5	-	-	-	-	-	-	-	-	-	-	RI-SB-15-0-0.5	-	-	-	-	-	-
					Sample Date	9/12/2023	9/12/2023	9/12/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/5/2023	9/5/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	9/19/2023	9/19/2023	9/19/2023	8/17/2023	8/17/2023	8/17/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	**65 J**	180 U	180 U	190 U
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	7.9 U	7.6 U	7.8 U	210 U	210 U	220 U	200 U	220 U	7.7 U	**2.8 J**	7.9 U	7.3 U	7.2 U	7.3 U	7.5 U	8.3 U	7.9 U	7.4 U	7.8 U	7.8 U	**12**	7.1 U	7.2 U	**2.9 J**
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**63**	**6.1**	**17**	-	-	-	-	-	-	-	-	-	**0.91 J**	3.7 U	**2 J**	4.1 U	**81**	**2.7 J**	**7.4**	**32**	**250**	**0.88 J**	**18**	**65**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 UJ	200 U	200 U	180 U	180 U	190 U
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	400 UJ	370 UJ	390 U	-	-	-	-	-	-	-	-	-	360 UJ	370 U	370 U	410 U	390 UJ	370 UJ	380 U	390 U	380 U	360 U	360 UJ	370 U
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	140 J	210 U	120 J	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	84	9.4	19	-	-	-	-	-	-	-	-	-	1.3 J	1.5 J	2.3 J	4.1 U	120	3.9	17	65	**380**	1.3 J	24	99
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 UJ	390 U	380 U	360 U	360 U	370 U
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 UJ	190 U
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	400 UJ	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 UJ	370 U
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	400 UJ	370 UJ	390 UJ	-	-	-	-	-	-	-	-	-	360 UJ	370 U	370 U	410 U	390 U	370 U	380 UJ	390 U	380 UJ	360 UJ	360 UJ	370 U
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	400 UJ	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 UJ	390 U	84 J	360 U	360 U	370 U
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	400 UJ	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 UJ	370 U
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	400 UJ	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 UJ	370 U
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	11	2.4 J	15	-	-	-	-	-	-	-	-	-	0.91 J	3.7 U	3.7 U	4.1 U	63	0.8 J	1.6 J	120	110	3.6 U	7	36
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	10	3.7	3.6 J	-	-	-	-	-	-	-	-	-	2.9 J	3.7 U	3.7 U	4.1 U	18	4.4	1.6 J	10	66	3.6 U	2.6 J	4.8
SVOCs	Acetophenone	98-86-2	1160	µg/kg	100 J	110 J	180 J	-	-	-	-	-	-	-	-	-	100 J	370 U	370 U	410 U	75 J	370 U	220 J	350 J	300 J	360 U	58 J	110 J
SVOCs	Anthracene	120-12-7	41000	µg/kg	46	7.5	15	-	-	-	-	-	-	-	-	-	5	3.7 U	3.7 U	4.1 U	150	4.6	3.2 J	230	150	3.6 U	5.7	94
SVOCs	Atrazine	1912-24-9	38	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	170	25	110	-	-	-	-	-	-	-	-	-	14	5.3 J-	3.7 U	4.1 U	**430**	10	17	**1700**	**740**	1.2 J	30	**270**
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	**110**	28	**140**	-	-	-	-	-	-	-	-	-	20	8.3 J-	3.7 U	4.1 U	**410**	27	17	**2100**	**1100**	3.6 U	47	**210**
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	220	44	250	-	-	-	-	-	-	-	-	-	21	14 J-	6.8 J-	1 J	630	27	32	**2800**	**1700**	2.2 J	79	270
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	79	27	83	-	-	-	-	-	-	-	-	-	38	7.3 J-	1.8 J-	4.1 U	290	91	22	1800	1000	2.8 J	68	100
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	72	15	55	-	-	-	-	-	-	-	-	-	8.7	5.1 J-	5 J-	4.1 U	150 J-	7.1	9.9	920	510	3.6 U	20	58
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	Carbazole	86-74-8	1100	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	96 J	370 U	380 U	52 J	84 J	360 U	360 U	370 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	210	48	110	-	-	-	-	-	-	-	-	-	25	11 J-	3.4 J-	1.1 J	500	41	20	1800	1000	2 J	44	300
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	27	7.1	22	-	-	-	-	-	-	-	-	-	6.6	1.9 J-	3.7 U	4.1 U	40 J-	11	5.2	**500**	**290**	3.6 U	15	24
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	53 J	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	60 J	190 U	200 U	93 J	110 J	180 U	180 U	48 J
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	35 J	180 U	180 U	190 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 UJ	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	Fluoranthene	206-44-0	5500	µg/kg	530	48	240	-	-	-	-	-	-	-	-	-	46	11 J-	1.7 J-	4.1 U	1000	21	30	3100	1100	2.4 J	57	1100
SVOCs	Fluorene	86-73-7	5300	µg/kg	3.7 J	1.4 J	12	-	-	-	-	-	-	-	-	-	1.1 J	3.7 U	3.7 U	4.1 U	100	0.93 J	0.96 J	39	210	3.6 U	5.3	43
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	200 UJ	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Hexachlorobenzene	118-74-1	78	µg/kg	200 U	190 U	50 J	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	400 U	370 U	390 U	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	380 U	390 U	380 U	360 U	360 U	370 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	82	25	74	-	-	-	-	-	-	-	-	-	16	5.7 J-	3.7 U	4.1 U	250	23	16	**1500**	790	1.5 J	48	79
SVOCs	Isophorone	78-59-1	520	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	**23**	**11**	**20**	-	-	-	-	-	-	-	-	-	0.77 J	1 J	**78**	2.8 J	**140**	1.9 J	**9.1**	**71**	**460**	1.3 J	5.4	**270**
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	200 U	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	200 U	190 U	200 U	-	-	-	-	-	-	-	-	-	190 U	190 U	190 U	210 U	410	190 U	200 U	200 U	200 U	180 U	180 U	190 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	8 U	7.6 U	7.9 U	-	-	-	-	-	-	-	-	-	7.3 U	7.4 U	7.6 U	8.4 U	8 U	7.5 U	7.8 U	7.9 U	7.7 U	7.2 U	7.3 U	7.5 U
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	530	28	78	-	-	-	-	-	-	-	-	-	21	3.2 J	10 J-	1.9 J	800	13	11	1500	950	2.3 J	40	510
SVOCs	Phenol	108-95-2	6600	µg/kg	400 U	370 U	49 J	-	-	-	-	-	-	-	-	-	360 U	370 U	370 U	410 U	390 U	370 U	80 J	67 J	70 J	360 U	360 U	370 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	380	70	220	-	-	-	-	-	-	-	-	-	38	9.1 J-	2.1 J-	4.1 U	840	29	28	2500	1100	2.5 J	77	980

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table C - Year 1 SVOC Analytical Data Table

	Location				RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20	RI-SB-21	RI-SB-21	RI-SB-21	RI-SB-22	RI-SB-22	RI-SB-22	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-24	RI-SB-24	RI-SB-24	RI-SB-25	RI-SB-25	RI-SB-25
	Sample #				RI-SB-18-0-0.5	RI-SB-18-1-2	RI-SB-18-3-4	RI-SB-19-0-0.5	RI-SB-19-1-2	RI-SB-19-6-7	RI-SB-20-0-0.5	RI-SB-20-1-2	RI-SB-20-5-6	RI-SB-21-0-0.5	RI-SB-21-1-2	RI-SB-21-9-10	RI-SB-22-0-0.5	RI-SB-22-1-2	RI-SB-22-15-15.5	RI-SB-23-0-0.5	RI-SB-23-1-2	RI-SB-23-17-18	RI-SB-23A-0-0.5	RI-SB-24-0-0.5	RI-SB-24-1-2	RI-SB-24-9-10	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18
	Start Depth				0	1	3	0	1	6	0	1	5	0	1	9	0	1	15	0	1	17	0	0	1	9	0	1	17
	End Depth				0.5	2	4	0.5	2	7	0.5	2	6	0.5	2	10	0.5	2	15.5	0.5	2	18	0.5	0.5	2	10	0.5	2	18
	Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	Sample Type				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
	Parent Sample #				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-23-0-0.5	-	-	-	-	-	-
	Sample Date				8/21/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/23/2023	8/23/2023	8/23/2023	8/16/2023	8/16/2023	8/16/2023	8/15/2023	8/15/2023	8/15/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/24/2023	8/24/2023	8/24/2023	9/19/2023	9/19/2023	9/19/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	**64 J**	180 U	210 U	**56 J**	190 U	190 U	**47 J**	190 U	200 U	**1800 J**
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	7.1 U	7.7 U	7.2 U	7.3 U	7.4 U	**5.5 J**	7.8 U	7.9 U	8 U	7.4 U	7.8 U	7.3 U	7.5 U	7.8 U	7.3 U	7.2 U	7 U	8.2 UJ	7.2 UJ	7.3 U	7.4 U	7.7 U	7.4 U	7.6 U	250 U
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**5.1**	**4.1**	**40**	**9.4**	**95**	**8.5**	**31**	**33**	**1700**	**1.1 J**	**1.3 J**	3.6 U	**1.4 J**	**8.1**	**97**	**330 J-**	**76**	**100**	**280**	**6.4**	**4.1**	**320**	**2.9 J**	**13**	**13000**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 UJ	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	360 UJ	380 U	360 UJ	370 UJ	370 UJ	380 U	380 U	390 U	400 U	370 UJ	390 UJ	360 UJ	370 U	380 UJ	360 UJ	360 UJ	350 U	400 UJ	360 UJ	370 UJ	370 UJ	390 UJ	370 UJ	380 UJ	13000 U
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 R	180 U	210 U	190 R	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	8.8	6.7	76	15	130	11	42	57	160 J+	2.4 J	3.6 J	3.6 U	3.5 J	16	200	350 J-	110	100	270	19	5	270	6.4	41	**8100**
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 UJ	350 U	400 UJ	360 U	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 UJ	200 UJ	190 UJ	190 U	200 UJ	190 UJ	190 UJ	180 U	210 UJ	190 UJ	190 U	190 UJ	200 U	190 UJ	200 UJ	6300 U
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 U	360 U	370 UJ	370 U	390 UJ	370 U	380 U	13000 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 UJ	390 UJ	360 UJ	370 U	380 UJ	360 UJ	360 UJ	350 U	400 UJ	360 UJ	370 U	370 UJ	390 U	370 UJ	380 UJ	13000 U
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	360 UJ	380 U	360 UJ	370 UJ	370 UJ	380 U	380 U	390 U	400 U	370 UJ	390 UJ	360 UJ	370 UJ	380 UJ	360 UJ	360 UJ	350 U	400 UJ	360 UJ	370 UJ	370 UJ	390 UJ	370 UJ	380 UJ	13000 U
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 UJ	190 U	190 UJ	190 U	200 UJ	190 U	200 U	6300 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 U	360 U	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	88 J	370 U	390 U	360 U	370 U	380 U	360 U	360 UJ	350 U	400 UJ	360 U	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 UJ	390 UJ	360 UJ	370 U	380 UJ	360 UJ	360 UJ	350 U	400 UJ	360 UJ	370 U	370 UJ	390 U	370 UJ	380 UJ	13000 U
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 UJ	390 UJ	360 UJ	370 U	380 UJ	360 UJ	360 UJ	350 U	400 UJ	360 UJ	370 U	370 UJ	390 U	370 UJ	380 UJ	13000 U
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	6.4	1 J	22 J-	41	94	10 J-	6.3 J-	7.3 J-	550	3.7 U	2 J	3.6 U	3.7 U	36	3.4 J	13	100	46 J-	13 J-	2.4 J	1.9 J	160	1.6 J	4.2	2900
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	8.2	3 J	9.2 J-	3.1 J	140	5.1 J-	2.7 J-	4.5 J-	29 J-	2.6 J	1.1 J	3.6 U	3.7 U	1.3 J	3.6 U	10	53	4.4 J-	8.5 J-	5.5	3.7 U	350	8.5	2.1 J	130 U
SVOCs	Acetophenone	98-86-2	1160	µg/kg	100 J	90 J	110 J	130 J	120 J	89 J	70 J	66 J	91 J	60 J	390 U	50 J	61 J	120 J	360 U	79 J	210 J	310 J	110 J	370 U	83 J	290 J	130 J	180 J	13000 U
SVOCs	Anthracene	120-12-7	41000	µg/kg	11	4.1	35 J-	110	590	110	6.4 J-	13	4 U	2.8 J	2.9 J	3.6 U	1.3 J	15	1.3 J	6	290	20 J-	9.3 J-	11	1.8 J	810 J+	11	12	380
SVOCs	Atrazine	1912-24-9	38	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 UJ	360 U	370 UJ	370 U	390 UJ	370 U	380 U	13000 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 UJ	350 U	400 U	360 UJ	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	56	17	95	**260**	**1600**	**440**	19	7.3	18 J-	15	26	6.3	3.3 J	200	8.7	26 J-	**460**	21 J-	37 J-	15	5.3	**1300 J+**	20	44	**400**
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	75	20	100 J-	**220**	**2000**	**390**	22	11	20 J-	11	32	14	4.7	**310**	15	12 J-	**460**	15 J-	26 J-	43	4.8	**780 J+**	42	68	**210**
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	86	24	130 J-	270	**3000**	520	31	13	23 J-	30	52	21	13	480	20	250	560	18 J-	260	53	8.6	**1300 J+**	74	210	290
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	66	14	81 J-	120	2300	300	18	15	14 J-	15	36	15	6.7	310	19	49 J-	340	9.4 J-	48 J-	74 J+	4.5	460 J+	73	110	160
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	49	8.9	38 J-	77	840	200	11	4.7	7.9 J-	10	19	6.9	3.3 J	120	7.2	33 J-	210	5.6 J-	30 J-	14	3.3 J	480 J+	21	48	150
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	180 UJ	190 U	190 UJ	190 UJ	190 UJ	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 UJ	190 U	200 UJ	190 U	200 U	6300 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 U	360 U	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	49 J	190 U	190 UJ	190 UJ	190 UJ	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 UJ	190 U	200 UJ	190 U	200 U	6300 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 U	360 U	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 U	360 U	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	Carbazole	86-74-8	1100	µg/kg	360 U	380 U	360 U	43 J	85 J	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	100 J	400 UJ	360 U	370 UJ	370 U	94 J+	370 U	380 U	13000 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	50	18	110	260	2300	430	24	8.5	23 J-	29	38	9	16	320	13	260	500	41 J-	260	51	9.3	1300 J+	52	230	1900
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	22	3.7 J	20 J-	37	**570**	49 J-	4.7	3.3 J	4.5 J-	3.7 U	11	3.8	3.7 U	58	4.3	14 J-	45 J-	3.1 J-	14 J-	3.7 U	3.7 U	85	14	21	130 U
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	180 U	190 U	190 U	190 U	63 J	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	110 J	210 U	190 U	190 U	190 U	150 J	190 U	200 U	**1600 J**
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 UJ	190 U	190 UJ	190 U	59 J+	190 U	200 U	6300 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 U	360 U	370 UJ	370 U	390 UJ	370 U	380 U	13000 U
SVOCs	Fluoranthene	206-44-0	5500	µg/kg	49	23	190	670	3200 J	950 J	36	9.7	46 J-	29	31	36	19	470	30	480	1200	60 J-	450	30	18	2700 J+	23	130	1900
SVOCs	Fluorene	86-73-7	5300	µg/kg	2 J	0.91 J	23 J-	40	190	17 J-	6.9 J-	7.1 J-	720	3.7 U	3.9 U	3.6 U	3.7 U	5.4	3.6 U	3.6 U	160	57 J-	3.6 U	3.7 U	2.2 J	640	2 J	3.1 J	1400
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 UJ	6300 U
SVOCs	Hexachlorobenzene	118-74-1	78	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 UJ	190 U	190 UJ	190 U	200 UJ	190 U	200 U	6300 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	400 U	370 U	390 U	360 U	370 U	380 U	360 U	360 U	350 U	400 U	360 U	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	55	12	65 J-	100	**1700**	240	15	11	13 J-	12	32	13	5.9	250	15	36 J-	260	7.6 J-	38 J-	35	3.4 J	450 J+	36	83	88 J
SVOCs	Isophorone	78-59-1	520	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 UJ	180 U	210 U	190 UJ	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	6.9	**7.8**	**83**	**15**	**96**	**9.4**	**10**	**21**	4 U	2 J	3.6 J	0.92 J	2.6 J	**9.9**	**15**	**32**	**68**	**78**	**25**	5.3	1.9 J	**240**	4.2	**17**	**14000**
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U	190 U	190 U	190 U	200 U	190 U	200 U	6300 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	180 U	190 U	190 U	190 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 UJ	190 U	190 UJ	190 U	200 UJ	190 U	200 U	6300 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	7.2 U	7.7 U	7.3 U	7.4 U	7.5 U	7.6 U	7.8 U	8 U	8.1 U	7.5 U	7.9 U	7.4 U	7.6 U	7.8 U	7.4 U	7.3 U	7.1 U	8.2 UJ	7.3 U	7.4 U	7.5 U	7.8 U	7.5 U	7.7 U	250 U
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	28	15	140	400	1400	480	34 J-	31	1100	8.4	19	23	9.6	150	84	400	1100	170 J-	350	16	19	**2200 J+**	17	54	**6700**
SVOCs	Phenol	108-95-2	6600	µg/kg	360 U	380 U	360 U	370 U	370 U	380 U	380 U	390 U	96 J	370 U	390 U	360 U	370 U	380 U	360 U	360 UJ	37 J	55 J	360 UJ	370 U	370 U	390 U	370 U	380 U	13000 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	52	22	210	500	2800 J	730 J	32	15	310 J	42	37	23	7.8	270	15	300	940	130	320	130 J+	21	2000 J+	31	140	3100

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table C - Year 1 SVOC Analytical Data Table

Location					RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-27	RI-SB-27	RI-SB-27	RI-SB-29	RI-SB-29	RI-SB-29	RI-SB-30	RI-SB-30	RI-SB-30	RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35
Sample #					RI-SB-26-0-0.5	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2	RI-SB-27-0-0.5	RI-SB-27-1-2	RI-SB-27-14-15	RI-SB-29-0-0.5	RI-SB-29-1-2	RI-SB-29-4-5	RI-SB-30-0-0.5	RI-SB-30-1-2	RI-SB-30-2-3	RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-18-19	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10
Start Depth					0	1	2	1	0	1	14	0	1	4	0	1	2	0	1	4	0	1	18	0	1	9
End Depth					0.5	2	3	2	0.5	2	15	0.5	2	5	0.5	2	3	0.5	2	5	0.5	2	19	0.5	2	10
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-26-1-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					9/15/2023	9/15/2023	9/15/2023	9/15/2023	8/21/2023	8/21/2023	8/21/2023	9/11/2023	9/11/2023	9/11/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	7.3 U	7.2 U	7.2 U	7.1 U	7.2 U	7.5 U	7.2 U	7.6 U	7.6 U	7.6 U	72 U	72 U	74 U	77 U	76 U	77 U	7.7 U	7.5 UJ	9.1 U	7.5 U	7.6 U	7.6 U
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**40 J**	3.8 U	3.8 U	3.6 U	**11**	**13**	**44**	-	-	-	3.6 U	**3.5 J**	**3.8**	**11**	**4.6**	**2.5 J**	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	**41 J**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 UJ
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	370 U	360 UJ	360 U	360 UJ	360 UJ	380 UJ	360 UJ	-	-	-	360 U	360 U	370 UJ	380 UJ	380 UJ	380 UJ	390 U	380 UJ	450 U	380 UJ	380 UJ	370 UJ
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	76	2.2 J	4.3	1.1 J	35	44	50	-	-	-	0.87 J	6.8	7.4	8.6	7.6	3.7 J	2.6 J	1.5 J-	1.8 J-	3.8 U	3.8 U	57
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 UJ
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	190 U	180 UJ	190 U	180 UJ	190 U	190 UJ	180 U	-	-	-	180 U	180 U	190 UJ	200 UJ	190 UJ	200 UJ	200 U	190 UJ	230 U	190 UJ	190 UJ	190 UJ
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	370 U	360 UJ	360 U	360 UJ	360 U	380 UJ	360 U	-	-	-	360 U	360 U	370 UJ	380 UJ	380 UJ	380 UJ	390 U	380 UJ	450 U	380 UJ	380 UJ	370 UJ
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	370 U	360 UJ	360 U	360 UJ	360 U	380 UJ	360 UJ	-	-	-	360 U	360 UJ	370 U	380 UJ	380 UJ	380 UJ	390 UJ	380 UJ	450 U	380 UJ	380 UJ	370 UJ
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 UJ
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	370 U	360 UJ	360 U	360 UJ	360 U	380 UJ	360 U	-	-	-	360 U	360 U	370 UJ	380 UJ	380 UJ	380 UJ	390 U	380 UJ	450 U	380 UJ	380 UJ	370 UJ
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	370 U	360 UJ	360 U	360 UJ	360 U	380 UJ	360 U	-	-	-	360 U	360 U	370 UJ	380 UJ	380 UJ	380 UJ	390 U	380 UJ	450 U	380 UJ	380 UJ	370 UJ
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	4.7	0.9 J	1.3 J	3.6 U	5.1	12	27 J-	-	-	-	3.6 U	1.5 J	3.8	21	11	8.7	1.2 J	3.8 U	2.3 J-	3.8 U	3.8 U	38
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	3 J	3.6 U	3.6 U	3.6 U	5.1	4.1	17 J-	-	-	-	3.6 U	5.6	5.2	54	44	3.6 J	3.9 U	3.8 U	3.3 J-	3.8 U	3.8 U	6.4
SVOCs	Acetophenone	98-86-2	1160	µg/kg	140 J	360 U	360 U	360 U	360 U	79 J	130 J	-	-	-	110 J	360 U	64 J	380 U	380 U	380 U	130 J	130 J	150 J	130 J	380 U	210 J
SVOCs	Anthracene	120-12-7	41000	µg/kg	18	3.6 U	0.84 J	3.6 U	11	9.7	57 J-	-	-	-	3.6 U	6.8	15	270	91	51	3.9 U	1.4 J-	5.2 J-	3.8 U	3.8 U	41
SVOCs	Atrazine	1912-24-9	38	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	29	3 J	3.7	1.5 J	97	180	**220**	-	-	-	2.1 J	24	52	**380**	**380**	150	2.1 J	2.5 J-	21	3.8 U	3.8 U	120
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	29	4.4	4.4	2.3 J	**250**	**380**	**220**	-	-	-	2.3 J	31	71	**320**	**310**	**120**	2 J	1.7 J-	19	3.8 U	3.8 U	**110**
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	44	7.4	6.5	3.7	290	430	280	-	-	-	3.8	46	100	510	520	160	2.7 J	4.2 J-	22	3.8 U	3.8 U	130
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	26	5.1	4.4	2.8 J	370	380	200	-	-	-	3.1 J	32	84	270	270	80	3.1 J	1.9 J-	11	3.8 U	3.8 U	57
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	14	2.3 J	2.2 J	1.2 J	53	140	83	-	-	-	1.4 J	15	35	150 J	230	56	0.97 J	1.1 J-	9	3.8 U	3.8 U	45
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	190 U	180 U	190 U	180 U	190 UJ	190 UJ	180 UJ	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	190 U	180 U	190 U	180 U	190 UJ	190 UJ	180 UJ	-	-	-	130 J	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Carbazole	86-74-8	1100	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	55	5.9	6.9	2.9 J	220	240	240	-	-	-	3.5 J	31	74	440	500	140	3.5 J	5.5 J-	23	1.4 J-	0.96 J-	130
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	7.8	3.6 U	3.6 U	3.6 U	40	51 J-	30 J-	-	-	-	3.6 U	7.6	19	60	67	21	3.9 U	3.8 U	3.6 J	3.8 U	3.8 U	17
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Fluoranthene	206-44-0	5500	µg/kg	45	4.2	6.6	2.2 J	110	210	530	-	-	-	3.7	39	100	890	630	380	4.5	30 J-	37	4.7 J-	0.99 J-	320
SVOCs	Fluorene	86-73-7	5300	µg/kg	6.5	3.6 U	0.91 J	3.6 U	2.5 J	2.9 J	32 J-	-	-	-	3.6 U	1.6 J	3 J	38	8.6	12	0.78 J	3.8 U	2.7 J-	3.8 U	3.8 U	39
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Hexachlorobenzene	118-74-1	78	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	19	3.7	3.1 J	2 J	200	270	120	-	-	-	1.7 J	25	52	210	200	71	1.3 J	1.3 J-	9.5	3.8 U	3.8 U	49
SVOCs	Isophorone	78-59-1	520	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	**30**	1.9 J	3.4 J	0.97 J	**17**	**28**	**100**	-	-	-	3.6 U	5.2	5.8	5.2	7.2	3.3 J	2.5 J	0.83 J-	4.6 J-	3.8 U	3.8 U	**110**
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	190 U	180 U	190 U	180 U	190 U	190 U	180 U	-	-	-	180 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	230 U	190 U	190 U	190 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	7.4 U	7.3 U	7.3 U	7.2 U	7.3 U	7.6 U	7.3 U	-	-	-	7.3 U	7.3 U	7.5 U	7.8 U	7.7 U	7.7 U	7.8 U	7.6 U	9.1 U	7.6 U	7.7 U	7.6 U
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	140	4	7.3	2.2 J	39	47	240	-	-	-	2.7 J	22	55	490	92	170	4.7	14 J-	14 J-	0.95 J-	3.1 J-	260
SVOCs	Phenol	108-95-2	6600	µg/kg	370 U	360 U	360 U	360 U	360 U	380 U	360 U	-	-	-	360 U	360 U	370 U	380 U	380 U	380 U	390 U	380 U	450 U	380 U	380 U	370 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	45	3.9	6.5	2 J	220	220	450	-	-	-	3.9	38	91	970	790	280	4.3	28 J-	32	3.6 J-	1.3 J-	290

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table C - Year 1 SVOC Analytical Data Table

	Location				RI-SB-39	RI-SB-39	RI-SB-39	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-41	RI-SB-41	RI-SB-41	RI-SB-42	RI-SB-42	RI-SB-42
	Sample #				RI-SB-39-0-0.5	RI-SB-39-1-2	RI-SB-39-2-3	RI-SB-40-0-0.5	RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40A-1-2	RI-SB-41-0-0.5	RI-SB-41-1-2	RI-SB-41-4-5	RI-SB-42-0-0.5	RI-SB-42-1-2	RI-SB-42-19-20
	Start Depth				0	1	2	0	1	3	1	0	1	4	0	1	19
	End Depth				0.5	2	3	0.5	2	4	2	0.5	2	5	0.5	2	20
	Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	Sample Type				N	N	N	N	N	N	FD	N	N	N	N	N	N
	Parent Sample #				-	-	-	-	-	-	RI-SB-40-1-2	-	-	-	-	-	-
	Sample Date				9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/6/2023	9/6/2023	9/6/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	190 U	190 U	180 U	200 U	210 U	**96 J**	200 U	-	-	-	190 U	190 U	**43 J**
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	7.3 U	7.2 U	7 U	7.6 U	8 U	8.6 U	7.9 U	7.2 U	7.3 U	7.8 U	7.3 U	7.4 U	8 U
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**4.6**	**18**	**39**	**26**	**140**	**430**	**84**	-	-	-	**5.6**	**7.8**	**340**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	360 UJ	360 U	350 U	380 U	400 UJ	420 UJ	400 UJ	-	-	-	360 U	370 UJ	400 UJ
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	8.9	27	61	65	240	**880**	150	-	-	-	15	18	**490**
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	190 U	190 U	180 U	200 U	210 UJ	220 U	200 UJ	-	-	-	190 U	190 UJ	210 UJ
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	360 U	360 U	350 U	380 U	400 UJ	420 U	400 UJ	-	-	-	360 U	370 UJ	400 UJ
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	360 UJ	360 UJ	350 U	380 U	400 UJ	420 UJ	400 UJ	-	-	-	360 U	370 UJ	400 UJ
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	360 U	360 U	350 U	380 U	400 UJ	420 U	400 UJ	-	-	-	360 U	370 UJ	400 UJ
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	360 U	360 U	350 U	380 U	400 UJ	420 U	400 UJ	-	-	-	360 U	370 UJ	400 UJ
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	2.9 J	3.6	5.9	22	24	25	14	-	-	-	1.9 J	3.8	9.9
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	4.4	9.6	7.7	19	13	170	9.9	-	-	-	6.5	7.5	4 U
SVOCs	Acetophenone	98-86-2	1160	µg/kg	190 J	130 J	350 U	380 U	110 J	220 J	82 J	-	-	-	140 J	160 J	170 J
SVOCs	Anthracene	120-12-7	41000	µg/kg	12	12	16	41	7.6	260	5.1	-	-	-	7.3	7.2	6.3
SVOCs	Atrazine	1912-24-9	38	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	18	46	49	**430**	32	**1400**	20	-	-	-	52	150	53
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	42	60	68 J+	**700**	32	**1200**	23	-	-	-	91	**210**	44
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	40	81	95 J+	900	51	**1700**	38	-	-	-	210	420	64
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	42	56	93 J+	560	38	680	27	-	-	-	120	250	35
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	23	28	34	300	19	600	14	-	-	-	49	120	24
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Carbazole	86-74-8	1100	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	37	56	69 J+	550	34	1300	24	-	-	-	110	320	60
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	8	14	20	**120 J+**	10	**240**	7.6	-	-	-	28	58	10
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	190 U	190 U	180 U	200 U	51 J	170 J	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	190 U	190 U	71 J	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Fluoranthene	206-44-0	5500	µg/kg	34	58	84 J+	490	46	2500	28	-	-	-	85	360	150
SVOCs	Fluorene	86-73-7	5300	µg/kg	2.2 J	2.1 J	3.8	9	7.3	15	5.4	-	-	-	1.1 J	1.5 J	3.8 J
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Hexachlorobenzene	118-74-1	78	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	360 U	360 U	350 U	380 U	400 U	420 U	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	24	42	55	480	33	710	24	-	-	-	89	200	30
SVOCs	Isophorone	78-59-1	520	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	**8**	**19**	**41**	**46**	**32**	**510**	**28**	-	-	-	**29**	**53**	**180**
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	190 U	190 U	180 U	200 U	210 U	220 U	200 U	-	-	-	190 U	190 U	210 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	7.4 U	7.3 U	7.1 U	7.7 U	8.1 U	8.6 U	8 U	-	-	-	7.4 U	7.5 U	8.1 U
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	23	32	65	140	150	750	110	-	-	-	33	210	210
SVOCs	Phenol	108-95-2	6600	µg/kg	310 J	210 J	230 J	380 U	400 U	53 J	400 U	-	-	-	360 U	370 U	400 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	50	55	77 J+	490	43	2000	28	-	-	-	70	240	120

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final

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J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table D - Year 1 Pesticide Analytical Data Table

Location					RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08
Sample #					RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-04-0-0.5	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5	RI-SB-08-0-0.5	RI-SB-08-1-2	RI-SB-08-4-5
Start Depth					0	1	4	0	1	4	1	0	1	5	0	1	4	0	1	4
End Depth					0.5	2	5	0.5	2	5	2	0.5	2	6	0.5	2	5	0.5	2	5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	RI-SB-02-1-2	-	-	-	-	-	-	-	-	-
Sample Date					8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/29/2023	8/29/2023	8/29/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	0.39 J	3.7 U	3.6 U	3.6 U	3.8 U	0.47 J	3.8 U	3.8 U	3.7 U	2.1 J	3.7 U	3.6 U	3.7 U	4 UJ	3.8 U	3.7 U
Pesticides	4,4'-DDE	72-55-9	220	µg/kg	1.2 J	3.7 U	3.6 U	0.95 J	3.8 U	4.1 U	3.8 U	0.39 J	130	4.9 J	3.7 U	3.6 U	3.7 U	4 UJ	3.8 U	3.7 U
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	0.55 J	0.52 J	3.6 U	0.76 J	0.69 J	1.6 J	1.5 J	2.1 J	3.2 J	4.6	0.75 J	0.3 J	3.7 U	0.59 J-	3.8 U	3.7 U
Pesticides	Aldrin	309-00-2	**3**	µg/kg	2.2 U	1.9 U	1.9 U	0.33 J	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	0.31 J	1.7 J	0.21 J-	**13 J**	1.9 U
Pesticides	Alpha-BHC	319-84-6	0.84	µg/kg	2.2 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2.1 UJ	1.9 U	1.9 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	2.2 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2.1 UJ	1.9 U	1.9 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	2.2 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2.1 UJ	7.6 J	1.9 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	2.2 U	1.9 U	1.9 U	**0.4 J**	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	**0.2 J**	**0.4 J**	1.9 U	2.1 UJ	**2.9 J**	**0.29 J**
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	4.2 U	3.7 U	3.6 U	3.6 U	3.8 U	4.1 U	3.8 U	3.8 U	3.7 U	3.9 U	3.7 U	3.6 U	3.7 U	4 UJ	3.8 U	3.7 U
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	2.2 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2.1 UJ	1.9 U	1.9 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	4.2 U	3.7 U	3.6 U	3.6 U	3.8 U	4.1 U	3.8 U	0.36 J	3.7 U	3.9 U	3.7 U	3.6 U	3.7 U	4 UJ	3.8 U	3.7 U
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	4.2 U	1 J	3.6 U	3.6 U	3.8 U	4.1 U	3.8 U	0.97 J	3.7 U	3.9 U	2.1 J	4.7 J	64 J	4 UJ	600 J	10 J
Pesticides	Endrin	72-20-8	1620	µg/kg	4.2 U	3.7 U	3.6 U	3.6 U	3.8 U	4.1 U	3.8 U	3.8 U	3.7 U	3.9 U	3.7 U	3.6 U	3.7 U	4 UJ	3.8 U	3.7 U
Pesticides	Endrin Aldehyde	7421-93-4	10.5	µg/kg	4.2 U	3.7 U	3.6 U	3.6 U	3.8 U	4.1 U	3.8 U	3.8 U	3.7 U	3.9 U	3.7 U	3.6 U	3.7 U	4 UJ	3.8 U	3.7 U
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	4.2 U	3.7 U	3.6 U	3.6 U	3.8 U	4.1 U	3.8 U	3.8 U	3.7 U	3.9 U	3.7 U	3.6 U	3.7 U	4 UJ	3.8 U	3.7 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	2.2 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2.1 UJ	1.9 U	1.9 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	2.2 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2.1 UJ	1.9 U	1.9 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	2.2 U	1.9 U	1.9 U	0.28 J	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	0.25 J	1.9 U	1.9 U	0.19 J-	1.9 U	1.9 U
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	22 U	19 U	19 U	19 U	19 U	21 U	19 U	20 U	19 U	20 U	19 U	19 U	19 U	21 UJ	19 U	19 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	220 U	190 U	190 U	190 U	190 U	210 U	190 U	200 U	190 U	200 U	190 U	190 U	190 U	210 UJ	190 U	190 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	2.2 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U	1.9 U	2.1 UJ	1.9 U	1.9 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the

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Table D - Year 1 Pesticide Analytical Data Table

Location					RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11	RI-SB-11	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-25	RI-SB-25	RI-SB-25
Sample #					RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-16-0-0.5	RI-SB-16-1-2	RI-SB-16-13-14	RI-SB-23-0-0.5	RI-SB-23-1-2	RI-SB-23-17-18	RI-SB-23A-0-0.5	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18
Start Depth					0	1	4	0	1	7	0	1	13	0	1	17	0	0	1	17
End Depth					0.5	2	5	0.5	2	8	0.5	2	14	0.5	2	18	0.5	0.5	2	18
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-23-0-0.5	-	-	-
Sample Date					9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/19/2023	9/19/2023	9/19/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	9/19/2023	9/19/2023	9/19/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.6 U	3.6 U	3.5 U	3.9 U	3.7 U	3.9 U	3.8 U	3.9 U	3.8 U	3.6 UJ	3.5 U	4 UJ	3.6 U	3.7 U	3.8 U	120 UJ
Pesticides	4,4'-DDE	72-55-9	220	µg/kg	0.63 J	3.6 U	3.5 U	2.1 J	3.7 U	3.9 U	3.8 U	3.9 U	3.8 U	7 J-	3.5 U	3.2 J-	54	7.8	0.44 J	120 UJ
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	6.2	1.4 J	0.4 J	2.9 J	10	450	4.2	3.9 U	3.9 J	31 J-	13 J	9.9 J-	18 J	3.7 U	2.8 J	120 U
Pesticides	Aldrin	309-00-2	**3**	µg/kg	0.42 J	1.8 U	1.8 U	0.84 J	1.9 U	2 U	2 U	2 U	1.6 J	2.7 J	1.8 U	2.1 UJ	1.9 U	1.9 U	0.65 J	62 UJ
Pesticides	Alpha-BHC	319-84-6	0.84	µg/kg	1.8 U	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 UJ	1.8 U	2.1 UJ	1.9 U	1.9 U	2 U	62 UJ
Pesticides	Beta-BHC	319-85-7	3	µg/kg	1.8 U	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 UJ	1.8 U	2.1 UJ	1.9 U	1.9 U	2 U	62 UJ
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	1.8 U	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 UJ	1.8 U	2.1 UJ	1.9 U	1.9 U	2 U	62 UJ
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	**0.49 J**	1.8 U	1.8 U	2 U	**0.19 J**	**0.56 J**	2 U	**0.86 J**	**0.98 J**	1.9 UJ	1.8 U	**0.33 J-**	1.9 U	**0.26 J**	**0.55 J**	62 UJ
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	1.4 J	0.38 J	3.5 U	3.9 U	**1.8 J**	3.9 U	3.8 U	3.9 U	**3.3 J**	**7.6**	3.5 U	4 UJ	**3.4 J**	3.7 U	3.8 U	120 U
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	1.8 U	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 UJ	1.8 U	2.1 UJ	1.9 U	1.9 U	2 U	62 UJ
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	3.6 U	0.31 J	3.5 U	3.9 U	1.6 J	35 J	0.54 J	3.9 U	3.8 U	4.4 J-	3 J	4 UJ	2.5 J	3.7 U	3.8 U	120 UJ
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	3.6 U	0.56 J	0.24 J	3.9 U	4.1 J	170 J	2 J	3.9 U	3.8 U	9 J	8.5 J	4 UJ	4.6 J	3.7 U	3.8 U	120 UJ
Pesticides	Endrin	72-20-8	1620	µg/kg	1.1 J	0.33 J	3.5 U	3.9 U	1.7 J	35 J	0.37 J	3.9 U	3.8 U	3 J	3.5 U	4 UJ	2.4 J	3.7 U	3.8 U	120 UJ
Pesticides	Endrin Aldehyde	7421-93-4	10.5	µg/kg	3.6 U	3.6 U	3.5 U	3.9 U	3.7 U	3.9 U	3.8 U	3.9 U	3.8 U	3.6 UJ	3.5 U	4 UJ	3.6 U	3.7 U	3.8 U	120 UJ
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	3.6 U	3.6 U	3.5 U	3.9 U	3.7 U	3.9 U	3.8 U	3.9 U	3.8 U	3.6 U	3.5 U	4 UJ	3.6 U	3.7 U	3.8 U	120 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	0.39 J	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 UJ	1.8 U	2.1 UJ	1.9 UJ	1.9 U	2 U	62 UJ
Pesticides	Heptachlor	76-44-8	130	µg/kg	1.8 U	1.8 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 UJ	1.8 U	2.1 UJ	1.9 UJ	1.9 U	2 U	62 UJ
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	1.8 U	1.8 U	0.21 J	2 U	1.9 U	2 U	2 U	0.57 J	1.6 J	1.9 UJ	1.8 U	2.1 UJ	1.9 U	0.26 J	1.2 J	62 UJ
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	18 UJ	18 U	18 U	20 U	19 U	20 U	20 U	20 U	20 U	19 U	18 U	21 UJ	19 U	19 U	20 U	620 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	180 U	180 U	180 U	200 U	190 U	200 U	200 U	200 U	200 U	190 U	180 U	210 UJ	190 U	190 U	200 U	6200 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	1.8 J	1.8 U	1.8 U	1.2 J	2.5	91 J	2 U	2 U	2 U	7.9 J-	1.8 U	2.1 UJ	1.9 U	1.9 U	2 U	62 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table D - Year 1 Pesticide Analytical Data Table

Location					RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-30	RI-SB-30	RI-SB-30	RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35	RI-SB-39	RI-SB-39	RI-SB-39
Sample #					RI-SB-26-0-0.5	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2	RI-SB-30-0-0.5	RI-SB-30-1-2	RI-SB-30-2-3	RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-18-19	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10	RI-SB-39-0-0.5	RI-SB-39-1-2	RI-SB-39-2-3
Start Depth					0	1	2	1	0	1	2	0	1	4	0	1	18	0	1	9	0	1	2
End Depth					0.5	2	3	2	0.5	2	3	0.5	2	5	0.5	2	19	0.5	2	10	0.5	2	3
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-26-1-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/13/2023	9/13/2023	9/13/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.7 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	4.5 U	3.8 U	3.8 U	3.7 U	3.6 U	3.6 U	3.5 U
Pesticides	4,4'-DDE	72-55-9	220	µg/kg	3.7 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	0.74 J	1.7 J	0.96 J	0.9 J	3.9 U	3.7 U	4.5 U	3.8 U	3.8 U	0.51 J	3.6 U	3.6 U	3.5 U
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	4.3	2.7 J	0.92 J	2.3 J	0.13 J	1.7 J	2.2 J	14	9.5	3.8 U	3.9 U	3.7 U	4.5 U	3.8 U	3.8 UJ	1.6 J	130 J-	7.1 J	17 J
Pesticides	Aldrin	309-00-2	**3**	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Pesticides	Alpha-BHC	319-84-6	0.84	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	**0.18 J**	1.9 U	2 U	1.9 U	2 U	2 U	**0.35 J**	**1.5 J**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	3.7 U	1.1 J	0.46 J	0.97 J	3.6 U	0.19 J	3.7 U	**3 J**	**1.7 J**	3.8 U	3.9 U	3.7 U	4.5 U	3.8 U	3.8 UJ	3.7 U	3.6 U	**2 J**	**4.5**
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	1.8 J	0.19 J	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	4.5 U	3.8 U	3.8 U	3.7 U	12 J	1.3 J	2 J
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	2.6 J	0.71 J	0.38 J	0.59 J	3.6 U	0.6 J	3.7 U	6.8	3.8 U	3.8 U	3.9 U	3.7 U	0.59 J	3.8 U	3.8 U	3.7 U	56 J	3.6 U	7.1 J
Pesticides	Endrin	72-20-8	1620	µg/kg	0.86 J	0.22 J	3.6 U	0.19 J	3.6 U	3.6 U	3.7 U	2.1 J	1.6 J	3.8 U	3.9 U	3.7 U	4.5 U	3.8 U	3.8 U	3.7 U	13 J	3.6 U	1.2 J
Pesticides	Endrin Aldehyde	7421-93-4	10.5	µg/kg	3.7 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	4.5 U	3.8 U	3.8 U	3.7 U	3.6 U	3.6 U	3.5 U
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	3.7 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	4.5 U	3.8 U	3.8 UJ	3.7 U	3.6 U	3.6 U	3.5 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.8 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 UJ	1.9 U	1.8 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.9 U	0.39 J	2 U	1.9 U	2.3 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	19 U	18 U	19 U	18 U	18 U	18 U	19 U	20 U	20 U	20 U	20 U	19 U	23 U	19 U	19 UJ	19 U	19 U	19 U	18 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	190 U	180 U	190 U	180 U	180 U	180 U	190 U	200 U	200 U	200 U	200 U	190 U	230 U	190 U	190 UJ	190 U	190 U	190 U	180 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	1.9 U	0.54 J	0.3 J	0.47 J	1.8 U	1.8 U	1.9 U	2 U	1.9 U	2 U	2 U	1.9 U	2.3 U	1.9 U	1.9 UJ	1.9 U	1.9 U	1.2 J	2.6 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table D - Year 1 Pesticide Analytical Data Table

Location					RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-42	RI-SB-42	RI-SB-42
Sample #					RI-SB-40-0-0.5	RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40A-1-2	RI-SB-42-0-0.5	RI-SB-42-1-2	RI-SB-42-19-20
Start Depth					0	1	3	1	0	1	19
End Depth					0.5	2	4	2	0.5	2	20
Depth Unit					ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N
Parent Sample #					-	-	-	RI-SB-40-1-2	-	-	-
Sample Date					9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.8 U	4 U	4.2 U	4 U	3.6 U	3.7 U	4 U
Pesticides	4,4'-DDE	72-55-9	220	µg/kg	3.8 U	4 U	4.2 U	4 U	3.6 U	0.41 J	2 J
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	2.9 J	52	4.2 U	36	8.4	3.6 J	4 U
Pesticides	Aldrin	309-00-2	**3**	µg/kg	0.29 J	2.1 U	1 J	2 U	1.9 U	0.22 J	1.1 J
Pesticides	Alpha-BHC	319-84-6	0.84	µg/kg	2 U	2.1 U	2.2 U	2 U	1.9 U	1.9 U	2.1 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	2 U	2.1 U	2.2 U	2 U	1.9 U	1.9 U	2.1 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	2 U	2.1 U	2.2 U	2 U	1.9 U	1.9 U	2.1 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	**0.44 J**	**0.23 J**	2.2 U	**0.34 J**	**0.24 J**	**0.33 J**	2.1 U
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	3.8 U	4 U	4.2 U	4 U	1.2 J	3.7 U	4 U
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	2 U	2.1 U	2.2 U	2 U	1.9 U	1.9 U	2.1 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	3.8 U	5.2 J	4.2 U	3.5 J	1 J	3.7 U	4 U
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	3.8 U	20 J	4.2 U	14 J	3.6 U	1 J	1.1 J
Pesticides	Endrin	72-20-8	1620	µg/kg	3.8 U	4 U	4.2 U	4 U	1.1 J	0.44 J	4 U
Pesticides	Endrin Aldehyde	7421-93-4	10.5	µg/kg	3.8 U	4 U	4.2 U	4 U	3.6 U	3.7 U	4 U
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	3.8 U	4 U	4.2 U	4 U	3.6 U	3.7 U	4 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	2 U	2.1 U	2.2 U	2 U	1.9 U	1.9 U	2.1 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	2 U	2.1 U	2.2 U	2 U	1.9 U	1.9 U	2.1 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	2 U	2.1 U	2.2 U	2 U	1.9 U	1.9 U	2.1 U
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	20 U	21 U	22 U	20 U	19 U	19 U	21 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	200 U	210 U	220 U	200 U	190 U	190 U	210 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	2 U	2.6 J	2.2 U	1.7 J	1.9 U	1.9 U	2.1 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the

Acronyms:

CAS # - Chemical Abstract Service Number

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U - Not Detected

Table E - Year 1 Dioxin/Furan Analytical Data Table

Location					RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08
Sample #					RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-04-0-0.5	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5	RI-SB-08-0-0.5	RI-SB-08-1-2	RI-SB-08-4-5
Start Depth					0	1	4	0	1	4	1	0	1	5	0	1	4	0	1	4
End Depth					0.5	2	5	0.5	2	5	2	0.5	2	6	0.5	2	5	0.5	2	5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	RI-SB-02-1-2	-	-	-	-	-	-	-	-	-
Sample Date					8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/29/2023	8/29/2023	8/29/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	pg/g	0.253 U	0.481 J	0.207 U	0.791 J	1.17 J	1.28	1.17	0.264 J	0.209 J	0.391 J	**88.7**	**34**	1.07	2.93 J	0.432 J	0.488 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	pg/g	0.272 U	1.28 J	0.178 U	**3.25 J**	**5.46**	**3.21**	**5.98**	0.395 U	0.882 J	1.04 J	**406**	**80.6**	**3.81 J**	**5.78**	1.85 U	2.5 J
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	pg/g	0.424 U	0.961 J	0.432 J	2.36 J	**4.53**	2.82	**4.77**	0.5 U	1.45 J	1.46 J	**374**	**61**	2.9	**4.84**	1.66 J	1.82 J
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	pg/g	1.19 J	**14.5**	0.92 J	**22.1**	**35.2**	**21.1**	**40.3**	**3.48**	**6.73**	**6.42**	**467**	**78.3**	**83**	**11.5**	**11.1**	**21**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	pg/g	0.443 U	**5.52**	0.565 J	**8.9**	**14.6**	**8.02**	**15.4**	1.49 J	**3.43**	2.87	**358**	**61.4**	**28.1**	**5.97**	**3.17 J**	**7.86**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	pg/g	**8.01**	**68.6**	**19.1**	**94.7**	**127**	**321**	**162**	**20.5**	**41.5**	**88**	**1540**	**278**	**219**	**165**	**338**	**105**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	pg/g	**39.9**	**242**	**252**	**365**	**528**	**6420**	**606**	**136**	**157**	**735**	**2480**	**401**	**619**	**1070**	**3610**	**471**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	pg/g	0.278 U	0.952	0.69 J	1.87	**3.85**	**10.1**	**4.16**	0.852 J	2.92	3.01	**523**	**300**	2	**25.7**	**6.13**	1.79 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	pg/g	0.332 U	1.57 J	0.919 J	2.35 J	**7.3**	**7.94**	**6.98**	1.17 J	2.36 J	2.99	**428**	**231**	**3.95**	**11.7**	**14.5**	**3.24**
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	pg/g	1.67 J	**9.63**	1.02 J	**14.7**	**80.2**	**19.8**	**78.9**	2.49 J	**9.36**	**18.4**	**601**	**310**	**14**	**19.8**	**11.7**	**13.9**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	pg/g	0.488 J	**6.58**	1.55 J	**20.3**	**26.8**	**21.8**	**26.4**	2.02 J	**8.22**	**10**	**599**	**267**	**18.6**	**15.8**	**26.8**	**13.7**
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	pg/g	0.423 J	**4.54**	0.504 J	**7.14 J**	**23.1**	**13.1**	**26.1**	1.5 J	**6.63**	**6.55**	**478**	**215**	**10.9**	**10.9**	**8.75**	**8.97**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	pg/g	0.305 U	0.463 U	0.252 U	1 U	1.01 U	0.853 U	1.02 U	0.376 U	0.367 U	0.749 U	0.696 U	0.66 U	0.472 U	0.577 U	1.17 U	0.56 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	pg/g	0.907 J	**6.56**	0.6 J	**11**	**49.2**	**16**	**47.5**	1.77 J	**5.63 J**	**10.7**	**349**	**147**	**11.7**	**10**	**6.46**	**8.77**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	pg/g	**8.07**	**124**	**24.2**	**183**	**492**	**1360**	**596**	**24**	**52.9**	**688**	**2670**	**961**	**469**	**121**	**124**	**156**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	pg/g	0.41 J	2.03 J	0.511 J	**5.07**	**10.4**	**14.3**	**10.4**	0.49 J	1.3 J	**7.29**	**48**	**17**	**5.76**	**3.69**	**7.11**	**4.13**
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	pg/g	**4.17 J**	**43.8**	**11.6**	**58.4**	**226**	**635**	**290**	**11.7**	**17.8**	**347**	**262**	**79.1**	**183**	**299**	**263**	**68.5**
Dioxin/Furan Calcs	Total Dioxin TEQ (Mammal)	TEQ(M)	**4.8**	pg/g	1.0864 J	**10.7072**	1.498 J	**18.8895**	**53.225**	**39.117**	**55.5322**	2.815 J	**8.4894**	**19.3721**	**1046.1122**	**340.2278**	**32.1439**	**26.8165**	**17.2614**	**16.4903**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

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U - Not Detected

Table E - Year 1 Dioxin/Furan Analytical Data Table

Location					RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-16	RI-SB-16	RI-SB-16
Sample #					RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-12-0-0.5	RI-SB-12-1-2	RI-SB-12-16-17	RI-SB-12A-0-0.5	RI-SB-13-0-0.5	RI-SB-13-1-2	RI-SB-13-19-20	RI-SB-14-0-0.5	RI-SB-14-1-2	RI-SB-16-0-0.5	RI-SB-16-1-2	RI-SB-16-13-14
Start Depth					0	1	4	0	1	7	0	1	16	0	0	1	19	0	1	0	1	13
End Depth					0.5	2	5	0.5	2	8	0.5	2	17	0.5	0.5	2	20	0.5	2	0.5	2	14
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	RI-SB-12-0-0.5	-	-	-	-	-	-	-	-
Sample Date					9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/5/2023	9/5/2023	9/19/2023	9/19/2023	9/19/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	pg/g	0.433 U	0.179 U	0.342 J	0.187 U	0.487	1.64	0.51 U	0.832 U	0.503 U	0.697 U	0.532 U	0.171 U	0.387 J	1.81	0.395 U	0.629 U	0.575 U	4.45 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	pg/g	0.565 U	0.165 U	0.162 U	0.458 U	0.854 U	**18.7**	0.674 U	2.55 UJ	0.941 U	1.49 U	0.981 UJ	0.928 J	1.31 J	2.97 J	1.25 U	1.18 U	2.56 J	**26.5**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	pg/g	0.864 UJ	0.251 U	0.383 U	0.856 U	0.915 U	**6.52**	0.826 U	2.45 U	1.25 UJ	1.47 U	1.28 UJ	0.79 U	0.998 U	2.58 J	**3.35 J**	1.23 J	**5.48**	**14.8**
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	pg/g	2.99	1.9 J	**5.87**	**9.84**	**12.7**	**37.1**	0.764 U	2.77 U	1.1 UJ	1.75 U	2.33 J	**11.4**	**6.55**	**8.08**	**13.9**	2.19 J	**13**	**59**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	pg/g	1.48 J	0.871 J	2.31 J	**4.14**	**4.67**	**13.4**	0.842 U	2.46 U	1.21 UJ	1.63 U	1.75 J	**5.46**	2.76 J	**8.14 J**	**7.57**	1.84 J	**8.18**	**30.6**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	pg/g	**81.2**	**46.8**	**127**	**69.1**	**89.3**	**141**	**5.75**	**18.5 J**	**31.7 J**	7.98 U	**48.8 J**	**230**	**74.4**	**87.9**	**208**	**42.2**	**238**	**289**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	pg/g	**550**	**242**	**661**	**314**	**452**	**542**	**37.5 J**	**109 J**	**203 J**	**64.1 J**	**393 J**	**1270**	**980**	**801**	**2170**	**346**	**1410**	**3190**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	pg/g	2.32 J	1.13	0.121 U	1.05 J	1.45 J	**17**	0.451 U	0.738 U	0.383 U	1.28 U	2.26 J	**4.22**	2.13	2.49	**5.76 J**	1.81 J	**9.56**	**21.8**
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	pg/g	1.25 J	0.681 J	0.124 U	1.02 J	1.53 J	**12.3**	1.14 U	1.49 U	0.822 U	2.16 U	1.24 U	2.67	1.83 J	2.22 J	**4.2**	1.18 J	**10.7**	**26.7**
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	pg/g	**3.3**	1.38 J	0.127 U	**8.38**	**9.52**	**81.2**	0.72 J	**4.45**	2.29 J	1.83 U	**5.6**	**6.55**	**6.08 J**	**3.49**	**9.74**	**3.51**	**24.3**	**156**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	pg/g	2.33 J	0.769 J	0.116 U	3.11	**4.73**	**106**	0.881 U	2.28 U	1.06 U	1.5 U	2.56 J	**4.21**	**5.68**	**4.73**	**8.36**	**6.13**	**23.1**	**103**
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	pg/g	1.3 J	0.436 J	0.119 U	2.63	2.97 J	**40.9**	0.792 U	2.28 U	1.04 U	1.49 U	1.23 J	2.58	**3.55**	2.31 J	**4.55**	1.51 J	**23.2**	**55.1**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	pg/g	0.6 UJ	0.199 U	0.167 U	0.374 U	0.389 U	0.75 U	1.03 U	2.84 U	1.01 UJ	2.07 U	1.03 UJ	0.414 U	0.693 U	1.07 U	1.05 U	0.636 U	**13.2**	**50.8 J**
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	pg/g	0.718 J	0.505 J	0.397 J	**5.46**	**5.27**	**33**	0.901 U	3.19 U	1.16 UJ	1.74 U	2.45 J	**3.29**	**5.21**	2.86	**5.3**	2.11 J	**31.5**	**45.1**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	pg/g	**5.58 J**	2.45 J	2.96	**69**	**110**	**386**	1.25 U	3.58 UJ	2.6 J	2.63 U	**12.7 J**	**37.6**	**133**	**19.3**	**57.2**	**14.7**	**165**	**370**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	pg/g	1.29 J	0.324 U	0.0923 U	2.04 J	2.09 J	**26.9**	2.06 U	4.68 UJ	1.6 UJ	3.99 U	1.26 UJ	1.53 J	2.74	2.6 U	3.08 U	0.65 J	**26.6**	**41.8**
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	pg/g	**8.22 J**	**3.27 J**	2.9 J	**53**	**69.5**	**207**	4.64 U	16.7 UJ	**5.34 J**	16.2 U	**12.8 J**	**34.9**	**53.4**	**30.4**	**103**	**19.5**	**558**	**225**
Dioxin/Furan Calcs	Total Dioxin TEQ (Mammal)	TEQ(M)	**4.8**	pg/g	3.4742	1.6567 J	2.7203	**6.8902**	**9.0085**	**76.2868**	1.017 J	4.1848 J	2.1984 J	0.0192	4.0354 J	**9.224**	**8.6409**	**10.3714**	**11.821**	**4.8242 J**	**28.1245**	**124.6035**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality

Acronyms:

CAS # - Chemical Abstract Service Number

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Table E - Year 1 Dioxin/Furan Analytical Data Table

Location					RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-25	RI-SB-25	RI-SB-25	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-29	RI-SB-29	RI-SB-29	RI-SB-30	RI-SB-30	RI-SB-30
Sample #					RI-SB-23-0-0.5	RI-SB-23-1-2	RI-SB-23-17-18	RI-SB-23A-0-0.5	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18	RI-SB-26-0-0.5	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2	RI-SB-29-0-0.5	RI-SB-29-1-2	RI-SB-29-4-5	RI-SB-30-0-0.5	RI-SB-30-1-2	RI-SB-30-2-3
Start Depth					0	1	17	0	0	1	17	0	1	2	1	0	1	4	0	1	2
End Depth					0.5	2	18	0.5	0.5	2	18	0.5	2	3	2	0.5	2	5	0.5	2	3
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N	N	FD	N	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-23-0-0.5	-	-	-	-	-	-	RI-SB-26-1-2	-	-	-	-	-	-
Sample Date					8/30/2023	8/30/2023	8/30/2023	8/30/2023	9/19/2023	9/19/2023	9/19/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/11/2023	9/11/2023	9/11/2023	9/20/2023	9/20/2023	9/20/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	pg/g	0.387 U	0.961	**7.1**	1.22 U	0.546 U	0.415 J	6.79 U	0.468 J	0.2 U	0.183 U	0.0981 U	0.631	1.01 J	0.853	0.612 U	0.161 U	0.744
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	pg/g	1.48 U	**3.58 J**	**36.7**	0.902 U	0.476 U	1.42 J	5.91 U	1.13 J	0.154 U	0.166 U	0.302 U	1.3 J	1.72 J	0.655 J	0.798 U	0.334 U	0.96 J
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	pg/g	1.37 U	2.29 J	**16.4**	1.26 U	0.756 U	1.71 J	**7.95**	1.34 J	0.711 J	0.534 J	0.696 J	2.74	0.737 U	0.803 U	0.661 U	0.382 U	0.834 J
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	pg/g	**4.62**	**14.2**	**103**	**9.71**	1.6 J	**12**	**40**	**4.12**	0.7 J	0.751 J	0.638 J	**10.3**	**5.02**	**5.45**	0.581 U	2.2 J	**4.23**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	pg/g	2.52 J	**6.22**	**35.3**	**3.98 J**	1.06 J	**5.37 J**	**19.9**	2.05 J	0.648 J	0.731 J	0.647 J	**5.45**	2.71	2.76	0.629 U	0.659 J	1.92 J
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	pg/g	**29.2**	**64.9**	**455**	**61.6**	**23.2**	**77.2**	**238**	**42.1**	**6.05**	**6.99**	**6.02**	**368**	**18.3**	**30.3**	2.25 J	**33**	**63.4**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	pg/g	**174**	**317**	**1280**	**327**	**179**	**430**	**791**	**212**	**11.6**	**12.8**	**14.8**	**3150**	**65.1**	**118**	**22.3 J**	**388**	**757**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	pg/g	**9.61**	**4.55**	**13**	**9.84**	1.66	**6.07**	4.53 U	**3.25**	0.714 J	1.08	1.12	**7.55**	2.89 J	**9.42**	0.544 U	1.8	2.91
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	pg/g	2.87	**4.92**	**14.7**	**3.4**	1.07 J	2.55 J	7.37 U	**6.01**	0.375 J	0.236 J	0.346 J	**6.35**	1.29 J	**3.89**	0.646 U	0.92 J	1 J
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	pg/g	**7.8**	**60.6**	**90.2**	**17**	2.33 J	**6.49**	8.37 U	**3.53**	0.401 J	0.648 J	0.687 J	**9.65**	2.01 J	**6.78**	0.623 U	2.74 J	**5.68**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	pg/g	**4.75**	**22.6**	**144**	**7.68**	1.78 J	**3.95**	**15.1 J**	**5.72**	0.279 J	0.261 J	0.334 J	**7.55**	2.16 J	**3.29**	0.546 U	1.36 J	2.41 J
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	pg/g	**3.54**	**17.8**	**47.6**	**5.64**	0.864 J	2.81	**15.1 J**	**3.93**	0.201 J	0.124 J	0.234 J	**6.31**	1.59 J	2.47	0.543 U	1.13 J	1.55 J
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	pg/g	0.851 U	0.751 U	1.49 U	0.843 U	0.661 U	0.366 U		0.296 U	0.159 U	0.133 U	0.148 U	0.362 U	0.452 U	0.253 U	0.632 U	0.328 U	0.259 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	pg/g	**3.18**	**34.3**	**74.9**	**8.19**	1.44 J	**3.16 J**	**13.7**	2.29 J	0.227 J	0.312 J	0.249 J	**6.94**	1.45 J	**3.44**	0.509 U	1.35 J	2.37 J
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	pg/g	**12.9**	**121**	**3340**	**32.4**	**7.59**	**14.6**	**3950**	**17.1**	1.85 J	**8.75**	1.99 J	**47.2**	**16.8**	**17.2**	1.46 J	**10.1**	**15.8**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	pg/g	2.1 U	**7.43**	**48.8**	**3.2 J**	0.724 U	1.83 J	3.9 U	1.21 J	0.106 U	0.0716 U	0.187 U	**4.36**	0.526 U	0.958 J	0.69 U	0.667 J	1.42 J
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	pg/g	**20.9 J**	**99.1**	**1540**	**68.5**	**11.2**	**18.8**	**1650**	**13**	0.664 J	**4.66 J**	0.806 J	**140**	**6.6**	**13.7**	1.99 U	**18.5**	**58.2**
Dioxin/Furan Calcs	Total Dioxin TEQ (Mammal)	TEQ(M)	**4.8**	pg/g	**6.1887**	**35.1747**	**154.154**	**11.6038**	2.1699 J	**8.4484**	**57.2949**	**5.7869**	0.804 J	0.8285 J	1.0283 J	**14.9193**	**5.3593 J**	**6.8866**	0.8722 J	2.4544 J	**6.127**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality

Acronyms:

CAS # - Chemical Abstract Service Number

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J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table E - Year 1 Dioxin/Furan Analytical Data Table

Location					RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35	RI-SB-39	RI-SB-39	RI-SB-39	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-41	RI-SB-41	RI-SB-41	RI-SB-42	RI-SB-42	RI-SB-42
Sample #					RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-18-19	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10	RI-SB-39-0-0.5	RI-SB-39-1-2	RI-SB-39-2-3	RI-SB-40-0-0.5	RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40A-1-2	RI-SB-41-0-0.5	RI-SB-41-1-2	RI-SB-41-4-5	RI-SB-42-0-0.5	RI-SB-42-1-2	RI-SB-42-19-20
Start Depth					0	1	4	0	1	18	0	1	9	0	1	2	0	1	3	1	0	1	4	0	1	19
End Depth					0.5	2	5	0.5	2	19	0.5	2	10	0.5	2	3	0.5	2	4	2	0.5	2	5	0.5	2	20
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-40-1-2	-	-	-	-	-	-
Sample Date					9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/6/2023	9/6/2023	9/6/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	pg/g	0.544 J	0.387 J	0.19 U	0.153 U	0.73	1.46	0.11 U	0.139 U	1.04	2.79 J	0.354 U	0.539	0.977	0.359 J	0.275 U	0.256 U	0.365 U	0.288 U	0.228 U	0.426 J	0.355 J	0.176 U
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	pg/g	1.87 J	1.63 J	0.153 U	0.209 U	**3.7 J**	**4.17**	0.26 U	0.0719 U	**3.78**	**3.95**	1.33 J	1.73 J	2.46 J	1.77 J	0.329 U	1.6 J	0.536 U	1.28 J	1.4 J	1.32 J	0.343 U	0.237 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	pg/g	1.87 J	1.38 J	0.377 U	0.309 J	2.06 J	**4.04**	0.263 U	0.168 U	2.9	**6.04**	0.763 J	1.07 U	2.98	1.24 J	0.482 J	0.836 U	1.14 J	2.01 J	0.747 J	1.15 U	0.77 U	0.613 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	pg/g	**7.57**	**8.95**	**4.87 J**	0.731 J	**29.3**	**30.6**	0.279 U	0.157 U	**19.2**	**42**	**7.86**	**10.7**	**10.3**	**8.58**	0.815 J	**6.69**	**4.52**	**11.4**	**5.56**	**7.84**	**7.22**	2.65 J
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	pg/g	**3.74 J**	**3.99 J**	1.93 J	0.194 U	**10.7**	**12.6**	0.269 U	0.17 U	**8.48**	**15.7**	2.97	**3.74 J**	**6.96**	**3.48**	0.569 U	3.08	2.48 J	**5.49**	2.12 J	**4.12 J**	**3.44**	1.22 J
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	pg/g	**86**	**73.3**	**17.3**	**4.79**	**59.8**	**192**	0.86 J	1.14 J	**91.8**	**1400**	**46.9**	**101**	**224**	**65.7**	**4.26**	**62.3**	**59.2**	**169**	**23.1**	**70.9**	**60**	**18.3**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	pg/g	**553**	**415**	**51.9**	**32.4**	**149**	**1380**	**5.82**	**9.34**	**504**	**15300 J**	**343**	**854**	**1960**	**400**	**15.2**	**454**	**380**	**1250**	**155**	**539**	**381**	**80**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	pg/g	**5.74**	2.4 J	0.451 J	1.48	2.01	**116**	0.191 U	0.162 J	**3.28**	**5.84**	2.9	2.3	**13.1**	**3.74**	2.46	**4.24**	1.86	**5.32**	0.948	**9.22**	**10.2**	**17.2**
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	pg/g	**4.3**	2.08 J	0.229 J	0.908 J	2.35 J	**116**	0.147 U	0.0456 U	**5.93**	2.96	**3.93**	2.29 J	**8.01**	**14.8**	1.15 J	**23.5**	2.57	2.56	1.38 J	**9.44**	**5.64**	**25.2**
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	pg/g	**15.5**	**9.56**	0.759 J	1.47 J	**24.6**	**94.6**	0.14 U	0.0447 U	**14.8**	**8.81**	**7.96 J**	**6.08**	**15.7**	**14.6**	2.26 J	**12.1**	2.68	**7.86**	**4.81**	**10**	**7.74**	**19.5**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	pg/g	**11.5**	**6.01**	0.657 J	0.818 J	**10.5**	**187**	0.136 U	0.116 U	**19.1**	**11.9**	**8.49**	**5.04 J**	**15.2**	**41.1**	1.1 J	**33.5**	2.15 J	**5.16**	**6.48**	**6.2**	**6.39**	**50.3**
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	pg/g	**6.63**	**3.73 J**	0.456 J	0.566 J	**7.99**	**51.9**	0.121 U	0.112 U	**12.7**	**5.68**	**4.29**	**3.18**	**9.05**	**21**	1.71 J	**13.9**	1.58 J	**3.41**	**3.97**	**6.75**	**4.46**	**13.1**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	pg/g	0.526 U	0.46 U	0.282 U	0.101 U	0.41 U	0.602 U	0.144 U	0.132 U	0.535 U	0.983 U	0.92 U	0.641 U	0.883 U	0.828 U	0.623 UJ	0.468 U	0.468 U	0.422 U	0.487 U	0.478 U	0.243 U	0.379 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	pg/g	**12.2**	**7.23**	0.341 J	0.514 J	**17.6**	**26**	0.141 U	0.119 U	**11.4**	**7.01**	**4.28 J**	**3.58**	**11.2**	**7.14**	1.27 J	**6.91**	2.07 J	**4.53**	3.06	**6.82**	**4.05**	**4.37 J**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	pg/g	**50.1**	**35.3**	**5.94**	1.76 J	**47.1**	**228**	0.439 J	0.266 J	**855**	**115**	**46.2**	**42.6**	**57.2**	**50.3**	**4.15**	**49**	**15.1**	**46.4**	**104**	**23.3**	**15.9**	**21.8**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	pg/g	**3.99**	2.61 J	0.253 U	0.156 U	1.86 J	**26.2**	0.108 U	0.097 U	**7.02**	**16.1**	2.86	3.11	**4.7**	**4.64**	0.51 J	**3.26**	1.13 U	2.58	1.67 J	1.83 J	1.38 J	**8.31**
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	pg/g	**68.6**	**42.8**	**5.16**	1.19 J	**7.22**	**152**	0.303 J	0.311 J	**336**	**428**	**60.6**	**76.9**	**79.2**	**44.8**	2.93 J	**46.4**	**20.9**	**94**	**42.2**	**28 J**	**23.3**	**18.7**
Dioxin/Furan Calcs	Total Dioxin TEQ (Mammal)	TEQ(M)	**4.8**	pg/g	**13.7356**	**9.5853**	1.438 J	1.075 J	**21.0413**	**85.2712**	0.304 J	0.1975 J	**26.9876**	**39.007**	**8.2344 J**	**8.8266**	**18.7724**	**16.9508**	1.7792 J	**14.1551**	3.6085	**10.1286**	**6.6151**	**10.2813**	**7.4062**	**16.1562**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

J+ - The result is an estimated quantity, but the results may be biased high

J- - The result is an estimated quantity, but The results may be biased low

U - Not Detected

Table F - Year 1 Inorganic Analytical Data Table

Location					RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-03	RI-SB-03	RI-SB-03	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-05	RI-SB-05	RI-SB-05	RI-SB-05
Sample #					RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-03-0-0.5	RI-SB-03-1-2	RI-SB-03-3-4	RI-SB-04-0-0.5	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-05-0-0.5	RI-SB-05-1-2	RI-SB-05-3-4	RI-SB-05A-1-2
Start Depth					0	1	4	0	1	4	1	0	1	3	0	1	5	0	1	3	1
End Depth					0.5	2	5	0.5	2	5	2	0.5	2	4	0.5	2	6	0.5	2	4	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD
Parent Sample #					-	-	-	-	-	-	RI-SB-02-1-2	-	-	-	-	-	-	-	-	-	RI-SB-05-1-2
Sample Date					8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/18/2023	8/18/2023	8/18/2023	8/29/2023	8/29/2023	8/29/2023	8/16/2023	8/16/2023	8/16/2023	8/16/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**20000 J**	**17000 J**	3600 J	**11000 J**	4600 J	4400 J	4600 J	**7300**	5500	3400	**8000 J**	**16000 J**	**16000 J**	**16000**	**12000**	**11000**	**16000**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	1.2 U	1.1 U	0.92 U	1 U	**2.1 J+**	**22 J+**	0.89 U	**2.6 J+**	**2.1 J+**	**1.9 J+**	0.83 U	0.89 U	0.86 U	1.1 U	0.93 U	0.82 U	0.93 U
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**1.3 J**	**0.97 J**	**5.6 J**	**2.4 J**	**5.6 J**	**6.7 J**	**2.5 J**	**3.4**	**6**	**2.6**	**1.8 J**	**1.9 J**	**1.3 J**	**2.7**	**3.4**	**5.6**	**4.6**
Inorganics	Barium	7440-39-3	**288**	mg/kg	180 J+	150 J+	100	140 J+	180 J+	**910**	**330 J+**	170	**560**	88	65	120	89	**310**	130	67	110
Inorganics	Beryllium	7440-41-7	16	mg/kg	4.6 J	4.4 J	0.42 J	1.4 J	0.6 J	0.52 J	0.46 J	1.5	0.47	0.77	0.73 J	2 J	1 J	3.2	2.8	0.42	1.2
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	0.61 U	0.38 J	0.33 J	0.69	**1.9**	**19**	**2**	**15**	**2.3**	0.4 J	**2**	0.39 J	0.66	0.57	0.41 J	0.23 J	0.51
Inorganics	Calcium	7440-70-2	-	mg/kg	130000	120000	2600 R	78000	82000	2600 R	2600 R	68000	15000	3600	42000	210000 J-	150000	170000	200000	250000	200000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**15 J+**	**84 J+**	**25 J+**	**57 J+**	**220 J+**	**96 J+**	**86 J+**	**60**	**130**	**44**	**150 J**	**490 J**	**260 J**	**560 J-**	**870 J-**	**1300 J-**	**1100 J-**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**1.4 J+**	**0.91 J+**	**3 J+**	**3 J+**	**4.8 J+**	**7.6 J+**	**5.7 J+**	**4.6**	**7.7**	**18**	**3.9**	**2.7**	**4.4**	**3.6**	**3.1**	**5.6**	**6.3**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	4.5 R	4.5 R	**92**	51	**210**	**830**	**180**	**210 J+**	**200 J+**	**160 J+**	**65**	15	21	41	**55**	29	**69**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	0.62 U	**0.63**	0.55 U	0.52 U	**0.31 J**	**0.45 J**	0.56 U	0.55 U	0.57 U	0.59 U	**0.32 J**	0.56 U	0.56 U	**9.9 J+**	0.55 U	0.56 U	0.54 U
Inorganics	Iron	7439-89-6	**6**	mg/kg	**2400 R**	**2400 R**	**2400 R**	**2400 R**	**2400 R**	**37000 J**	**2400 R**	**16000**	**34000**	**34000**	**34000 J**	**98000 J-**	**12000 J**	**58000**	**160000**	**170000**	**110000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	4.5 R	13 J+	95 J+	40 J+	160 J+	**730 J+**	69 J+	89 J+	100 J+	80 J+	45 J+	15 J+	71 J+	**380 J+**	44 J+	14 J+	48 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**13000 J+**	**14000 J+**	550 J+	**11000 J+**	**18000 J+**	1500 J+	2800 J+	**8900**	1400	1200	6400 J	**18000 J**	**13000 J**	**29000**	**21000**	**27000**	**26000**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**2300 J+**	**3300 J+**	**930 J+**	**1600 J+**	**3100 J+**	**1400 J+**	**1800 J+**	**1100 J+**	**1300 J+**	**260 J+**	**1800 J+**	**12000 J+**	**710 J+**	**8300**	**18000**	**29000**	**23000 J+**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.11 U	0.11 U	0.026 J	0.093 U	**0.09 J**	**0.34**	**0.14**	**0.35**	**0.77**	**1.2**	0.11 U	0.11 U	0.12 U	**0.082 J**	**0.079 J**	0.021 J	**0.073 J**
Inorganics	Nickel	7440-02-0	**52**	mg/kg	1.7 R	1.7 R	29 J-	28 J-	**98 J-**	**130 J-**	**75 J-**	47	**220**	45	**94 J-**	**76 J-**	**130 J-**	**84**	**61**	**210**	**190**
Inorganics	Potassium	7440-09-7	-	mg/kg	1500 J+	1000 J+	460 U	720 J+	410 U	450 U	530 U	420 J	440	160 J	650	780	900	650	490	580	700
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**2 J**	**1.7 J**	2.3 U	**0.75 J**	1.9 U	**4**	2.2 U	**2.6**	2 U	2.1 U	2.1 U	2.2 U	2.1 U	**0.95 J**	**1.2 J**	**0.94 J**	**0.96 J**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.61 U	0.54 U	0.087 J	**0.11 J**	**0.28 J**	**2**	**0.58**	**0.27 J**	**1.5**	**0.19 J**	0.41 U	0.076 J	0.43 U	**0.16 J**	**0.15 J**	**0.15 J**	**0.21 J**
Inorganics	Sodium	7440-23-5	-	mg/kg	3100	470 J	77 J	260 J	140 J	180 J	120 J	590	520	480	180 J	500	400 J	1000	1000	970	980
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.61 U	0.54 U	0.46 U	0.071 J	0.39 U	0.56 U	0.044 J	0.52 U	0.39 U	0.42 U	0.05 J	0.45 U	0.073 J	0.54 U	0.47 U	0.41 U	0.46 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	6.7 J+	20 J+	11 J+	19 J+	**40 J+**	20 J+	4.4 J+	7.5	13	10	15	**290**	6.1	**150**	**350**	**720**	**420**
Inorganics	Zinc	7440-66-6	**119**	mg/kg	9.6 R	9.6 R	9.6 R	9.6 R	**190 J+**	**530 J+**	**120 J+**	**130 J+**	**130 J+**	52 J+	99 J+	56 J+	110 J+	**610 J+**	**230 J+**	32 J+	**160 J+**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table F - Year 1 Inorganic Analytical Data Table

Location					RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14
Sample #					RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5	RI-SB-08-0-0.5	RI-SB-08-1-2	RI-SB-08-4-5	RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-12-0-0.5	RI-SB-12-1-2	RI-SB-12-16-17	RI-SB-12A-0-0.5	RI-SB-13-0-0.5	RI-SB-13-1-2	RI-SB-13-19-20	RI-SB-14-0-0.5	RI-SB-14-1-2
Start Depth					0	1	4	0	1	4	0	1	4	0	1	7	0	1	16	0	0	1	19	0	1
End Depth					0.5	2	5	0.5	2	5	0.5	2	5	0.5	2	8	0.5	2	17	0.5	0.5	2	20	0.5	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-12-0-0.5	-	-	-	-	-
Sample Date					9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/5/2023	9/5/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**8800**	3300	5300	**11000**	**9300**	3700	**8200**	**15000**	**7000**	**17000**	**20000**	5200	4300 J	6500 J	3000 J	**7200 J**	**9200 J**	**7400 J**	6200 J	**11000 J**	**8200 J**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	0.91 U	**1.8 J+**	**3.7 J+**	0.98 U	**2.4 J+**	**2.8 J+**	0.84 U	**1.2 J+**	0.8 U	0.84 U	0.9 U	**7.1 J+**	1.1 U	0.86 U	0.91 U	0.89 U	0.93 U	1 U	**2.2 J+**	**1.7 J+**	**3 J+**
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**4.4**	**11**	**10**	**3.4**	**11**	**5.7**	**4.9**	**5.1**	**6.3**	**2**	**1.8**	**25**	**3.9**	**4**	**2.1**	**3.1**	**3.5**	**3**	**6.7**	**5.6**	**13**
Inorganics	Barium	7440-39-3	**288**	mg/kg	88	100	260	110	170	140	43	120	47	180	170	110	77	43	77	88	120	68	82	98	100
Inorganics	Beryllium	7440-41-7	16	mg/kg	1.4	1.6	0.85	1.6	3.4	0.72	0.59 J+	1.6 J+	0.4 U	4.2 J+	4.9 J+	0.55 J+	1.9 J+	1.2 J+	1.8 J+	2.2 J+	2.1 J+	0.59 J+	0.49 J+	1.1 J+	0.58 J+
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	**1.4 J-**	**2.2 J-**	**2.8 J-**	**0.93 J-**	**1.9 J-**	**2.2 J-**	**1 J-**	**1 J-**	0.64 J-	**1.1 J-**	**0.92 J-**	**1.3 J-**	0.52 U	0.095 J	0.45 U	0.089 J	0.25 J	0.3 J	0.46	0.64	**1.7**
Inorganics	Calcium	7440-70-2	-	mg/kg	100000 J-	20000 J-	38000 J-	170000 J-	120000 J-	60000 J-	180000 J-	190000 J-	170000 J-	180000 J-	120000 J-	30000 J-	110000 J+	120000 J+	170000	120000	160000 J+	170000 J+	44000	180000	74000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**30**	**130**	**180**	**450**	**510**	**200**	**180**	**620**	**37**	**110**	**43**	**120**	**12 J**	**71 J**	**13 J**	**24 J**	**240 J**	**980 J**	**120 J**	**1400 J**	**1500 J**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**2.2**	**5.4**	**9.4**	**2.5**	**6.9**	**5.1**	**3**	**3.8**	**4.4**	**1.2**	**1.1**	**14**	**2.2**	**1.7**	**1.3**	**1.8**	**3.9**	**3.8**	**4.7**	**7.4**	**27**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	29	**110**	**290**	35	**110**	**78**	23	40	18	15	22	**240**	11	13	5.5	8.7	18	28	**81**	**79**	**170**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	0.54 U	0.54 U	**0.36 J**	0.6 U	0.55 U	0.56 U	0.51 U	0.53 U	0.52 U	**0.66**	**0.62**	0.57 U	0.53 U	0.55 U	0.55 U	0.53 U	0.54 U	**0.35 J**	**0.62**	0.56 U	**3.2**
Inorganics	Iron	7439-89-6	**6**	mg/kg	**21000**	**24000**	**26000**	**120000**	**79000**	**16000**	**63000**	**74000**	**17000**	**17000**	**7200**	**100000**	**5400**	**15000**	**5300**	**5300**	**39000**	**110000 J+**	**28000**	**130000**	**160000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	29 J+	69 J+	**240 J+**	30 J+	81 J+	66 J+	59 J+	94 J+	7.7 J+	66 J+	18 J+	90 J+	6.9 J+	17 J+	5.1 J+	6.4 J+	38 J+	31 J+	**310 J+**	120 J+	170 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**13000**	3200	**8600**	**18000**	**13000**	**8400**	**30000**	**27000**	**22000**	**12000**	**12000**	6500	**40000**	**22000**	**49000**	**32000**	**26000**	**32000**	7800	**34000**	**10000**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**780 J+**	**1500 J+**	**2800 J+**	**22000 J+**	**10000 J+**	**4900 J+**	**2700 J+**	**13000 J+**	**610 J+**	**4600 J+**	**2600 J+**	**1400 J+**	**950 J+**	**1800 J+**	**900 J+**	**1200 J+**	**5600 J+**	**21000 J+**	**1400 J+**	**14000 J+**	**9700 J+**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	**0.051 J**	**0.05 J**	**0.11**	**0.068 J**	**0.15**	**0.36**	**0.083 J**	0.048 J	0.092 U	0.034 J	**0.069 J**	**0.26**	0.1 U	0.11 U	0.1 U	0.1 U	0.028 J	**0.06 J**	**0.098 J**	**0.46**	**1.6**
Inorganics	Nickel	7440-02-0	**52**	mg/kg	17	46	**170**	27	**73**	**170**	31	50	18	13	10	**130**	6.7	5.1	4.4	5.7	**120**	**110**	**84**	**300**	**1500**
Inorganics	Potassium	7440-09-7	-	mg/kg	740	390 J	530	740	710	560	360 J	580	960	560	950	690	460	580	390 J	670	780	370 J	670	270 J	350 J
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**0.81 J**	**0.59 J**	2.7 U	**1.1 J**	**1.5 J**	**0.79 J**	**0.73 J**	**1.1 J**	**0.56 J**	**3.2**	**2.3**	2.4 U	**1.2 J**	**0.73 J**	**1 J**	**1.1 J**	**1.4 J**	**0.77 J**	2 U	**1 J**	**0.63 J**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.45 U	**0.1 J**	**0.66**	0.093 J	**0.17 J**	**0.5**	0.42 U	0.52 U	0.4 U	0.42 U	0.45 U	**0.28 J**	0.52 U	0.43 U	0.45 U	0.44 U	**0.1 J**	**0.23 J**	**0.21 J**	**0.48 J**	**1.1**
Inorganics	Sodium	7440-23-5	-	mg/kg	420 J	130 J	220 J	530	400	140 J	280 J	350 J	270 J	350 J	500	410 J	260 J-	310 J-	240 J-	370 J-	440 J-	280 J-	450 J-	330 J-	590 J-
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.45 U	0.05 J	0.064 J	0.49 U	0.042 J	**0.08 J**	0.067 J	**0.078 J**	**0.15 J**	0.42 U	0.45 U	0.071 J	0.52 U	0.43 U	0.45 U	0.44 U	0.047 J	0.057 J	0.41 U	**0.1 J**	**0.18 J**
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	11	17	24	**170**	**100**	**57**	**78**	**290**	24	33	10	16	10 J	**55 J**	8.9 J	27 J	**67 J**	**580 J**	22 J	**210 J**	**140 J**
Inorganics	Zinc	7440-66-6	**119**	mg/kg	25 J+	77 J+	**350 J+**	110 J+	100 J+	**140 J+**	44 J-	85 J-	36 J-	34 J-	25 J-	110 J-	36 J	36 J	25 J	39 J+	**120 J**	73 J+	61 J+	**850 J**	**590 J**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table F - Year 1 Inorganic Analytical Data Table

Location					RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-15	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-17	RI-SB-17	RI-SB-17	RI-SB-18	RI-SB-18	RI-SB-18	RI-SB-19	RI-SB-19	RI-SB-19	RI-SB-20	RI-SB-20	RI-SB-20
Sample #					RI-SB-15-0-0.5	RI-SB-15-1-2	RI-SB-15-23-24	RI-SB-15-41-42	RI-SB-15-8-9	RI-SB-15A-0-0.5	RI-SB-16-0-0.5	RI-SB-16-1-2	RI-SB-16-13-14	RI-SB-17-0-0.5	RI-SB-17-1-2	RI-SB-17-8-9	RI-SB-18-0-0.5	RI-SB-18-1-2	RI-SB-18-3-4	RI-SB-19-0-0.5	RI-SB-19-1-2	RI-SB-19-6-7	RI-SB-20-0-0.5	RI-SB-20-1-2	RI-SB-20-5-6
Start Depth					0	1	23	41	8	0	0	1	13	0	1	8	0	1	3	0	1	6	0	1	5
End Depth					0.5	2	24	42	9	0.5	0.5	2	14	0.5	2	9	0.5	2	4	0.5	2	7	0.5	2	6
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	RI-SB-15-0-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	8/24/2023	9/19/2023	9/19/2023	9/19/2023	8/17/2023	8/17/2023	8/17/2023	8/21/2023	8/21/2023	8/21/2023	8/22/2023	8/22/2023	8/22/2023	8/23/2023	8/23/2023	8/23/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**8000**	**24000**	6000	**7900**	4400	**10000**	**24000**	**16000**	5600	**15000**	**13000**	6800	**16000**	**7700**	5100	**15000**	5900	3900	**14000**	**12000**	**8600**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	0.93 U	0.79 U	0.97 U	1.1 U	**34 J+**	1 U	1.1 U	**1.4 J+**	**14 J+**	0.73 U	0.96 U	**2.2 J+**	**1.2 J+**	**1.9 J+**	**2.8 J+**	**1.2 J+**	**9.3 J+**	**3.1 J+**	1.1 J+	**1.5 J+**	**1.3 J+**
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**2.1 J**	0.5 J	**9.4 J**	**6.5 J**	**7.9 J**	**2.4 J**	**1.8 J**	**12 J**	**13 J**	**1.4**	**2.2**	**7.1**	**6.2 J**	**5.1 J**	**6.4 J**	**11 J**	**9.9 J**	**6.8 J**	**8.6 J**	**14 J**	**10 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	93	160	42	79	**1500**	130	220 J	110 J	**440 J**	170	120	280	160	140	240	140	**550**	170	180	93	53
Inorganics	Beryllium	7440-41-7	16	mg/kg	2.2 J+	5.6 J+	0.49 U	0.57 U	1.2 J+	2.7 J+	5.3 J	1.6 J	0.4 J	4.7	3.5	0.35 J	3.1 J+	1.3 J+	0.58 J+	3 J+	0.58 J+	0.48 U	3.7 J+	2.2 J+	0.55 U
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	0.47 U	0.39 U	0.19 J	0.17 J	**11**	0.11 J	0.56	**2**	**24**	0.21 J	0.14 J	**8.3**	**0.91**	**1.4**	**2.2**	**3**	**10**	**2.2**	**2.8**	**3**	**0.8**
Inorganics	Calcium	7440-70-2	-	mg/kg	120000	220000	75000	82000	19000	130000	160000	120000	22000	180000	250000	18000	120000	66000	25000	130000	76000	30000	120000	110000	150000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**96 J+**	**13 J+**	**13 J+**	**21 J+**	**90 J+**	**79 J+**	**85 J**	**1200 J**	**160 J**	**120**	**160**	**65**	**980**	**380**	**99**	**180 J+**	**220 J+**	**40 J+**	**280**	**260**	**87**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**1.4 J+**	1 U	**7.6 J+**	**8.5 J+**	**7.5 J+**	**1.5 J+**	**1.4**	**13**	**10**	**1.3**	**2.1**	**5**	**6.1**	**3.7**	**5.4**	**7.2**	**7.5**	**5.7**	**4.8**	**7.7**	**5.2**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	7.7	1.6	16	**71**	**210**	8.6	14 J	**140 J**	**470 J**	26 J+	21 J+	**150 J+**	**61**	**100**	**230**	**88**	**1600**	**93**	**68**	**140**	**75**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	0.53 U	0.55 U	0.56 U	0.61 U	0.59 U	0.54 U	**0.36 J**	0.58 U	**0.54 J**	0.52 U	0.54 U	0.54 U	0.52 U	0.56 U	**1.4**	0.54 U	**1.9**	**1.3**	0.56 U	0.59 U	0.59 U
Inorganics	Iron	7439-89-6	**6**	mg/kg	**54000**	**2500**	**21000**	**17000**	**41000**	**30000**	**30000**	**130000**	**80000**	**150000**	**89000**	**40000**	**100000**	**64000**	**39000**	**160000**	**82000**	**40000**	**86000**	**220000**	**76000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	9 J+	4 J+	6.6 J+	7.5 J+	**750 J+**	14 J+	29 J+	92 J+	**650 J+**	64 J+	110 J+	**240 J+**	160 J+	81 J+	170 J+	110 J+	**400 J+**	110 J+	**260 J+**	120 J+	130 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**41000**	**35000**	**17000**	**24000**	1400	**33000**	**37000**	**20000**	2900	**26000**	**18000**	1300	**20000**	**11000**	3600	**11000**	**8800**	4300	**17000**	**9400**	**11000**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**2400 J**	**3700 J**	**330 J**	**490 J**	**1200 J**	**2200 J**	**4300 J+**	**13000 J+**	**1400 J+**	**4600**	**4400 J+**	**1100 J+**	**9300 J**	**9900 J**	**1000 J**	**4600 J**	**4000 J**	**620 J**	**11000 J**	**9800 J**	**1800 J**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.097 U	0.1 U	0.1 U	0.12 U	**0.95**	0.11 U	0.1 U	**0.067 J**	**2.9**	0.023 J	0.099 U	**0.084 J**	0.095 U	**0.11**	**0.23**	0.11 U	**0.28**	**0.18**	**0.5**	0.12 U	**0.076 J**
Inorganics	Nickel	7440-02-0	**52**	mg/kg	5 J+	1.3 J+	24 J+	28 J+	**120 J+**	6 J+	16	**470**	**170**	28	**53**	47	**300**	46	**95**	46 J+	**68 J+**	**95 J+**	**61**	**140**	34
Inorganics	Potassium	7440-09-7	-	mg/kg	520	1200	1200	1500	1700	640	880	760	660	1300	1100	600	820	560	390 J	740	410	340 J	790	1300	1300
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**0.62 J**	**1.8 J**	2.4 U	2.8 U	**4**	**0.87 J**	**2.3 J**	**1.3 J**	**1.2 J**	3.6 U	4.8 U	**0.93 J**	**0.86 J**	2.6 U	2.6 U	**0.68 J**	**1.4 J**	2.4 U	**0.85 J**	**0.85 J**	2.7 U
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.47 U	0.39 U	0.49 U	0.57 U	**1.3**	0.51 U	**0.1 J**	**1.3**	**0.92**	**0.1 J**	**0.12 J**	**0.17 J**	**0.28 J**	**0.23 J**	**0.65**	**0.35 J**	**1**	**0.57**	**0.91**	**0.31 J**	**0.22 J**
Inorganics	Sodium	7440-23-5	-	mg/kg	400 J	780	140 J	200 J	370 J	460 J	780	840	610	1100	920	610	580	380 J	190 J	660	280 J	150 J	590	790	400 J
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.47 U	0.39 U	**0.15 J**	0.57 U	**0.15 J**	0.51 U	0.55 U	0.055 J	**0.089 J**	0.076 J	0.072 J	0.38 U	0.076 J	0.52 U	0.058 J	0.47 U	0.42 U	0.071 J	0.47 U	0.49 U	0.55 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**70**	4.6	15	18	12	**47**	31 J	**160 J**	14 J	24	34	12	**110**	**130**	10	**49**	**57**	9.2	**100**	**90**	**41**
Inorganics	Zinc	7440-66-6	**119**	mg/kg	49 J+	11 J+	55 J+	42 J+	**400 J+**	58 J+	**120 J+**	**240 J+**	**1600 J+**	74 J+	47 J+	95 J+	**310 J+**	**130 J+**	**390 J+**	**180 J+**	**210 J+**	96 J+	**1600 J+**	**250 J+**	**650 J+**

Notes:

1. **Identifies results that exceed the listed PAL value**
2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

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Table F - Year 1 Inorganic Analytical Data Table

Location					RI-SB-21	RI-SB-21	RI-SB-21	RI-SB-22	RI-SB-22	RI-SB-22	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-24	RI-SB-24	RI-SB-24	RI-SB-25	RI-SB-25	RI-SB-25	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26
Sample #					RI-SB-21-0-0.5	RI-SB-21-1-2	RI-SB-21-9-10	RI-SB-22-0-0.5	RI-SB-22-1-2	RI-SB-22-15-15.5	RI-SB-23-0-0.5	RI-SB-23-1-2	RI-SB-23-17-18	RI-SB-23A-0-0.5	RI-SB-24-0-0.5	RI-SB-24-1-2	RI-SB-24-9-10	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18	RI-SB-26-0-0.5	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2
Start Depth					0	1	9	0	1	15	0	1	17	0	0	1	9	0	1	17	0	1	2	1
End Depth					0.5	2	10	0.5	2	15.5	0.5	2	18	0.5	0.5	2	10	0.5	2	18	0.5	2	3	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD
Parent Sample #					-	-	-	-	-	-	-	-	-	RI-SB-23-0-0.5	-	-	-	-	-	-	-	-	-	-
Sample Date					8/16/2023	8/16/2023	8/16/2023	8/15/2023	8/15/2023	8/15/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/24/2023	8/24/2023	8/24/2023	9/19/2023	9/19/2023	9/19/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**9200**	**9400**	**8000**	**12000**	**7700**	**11000**	5200 J	6700 J	3600 J	**10000 J**	**25000 J**	**23000 J**	**7400 J**	**15000**	**24000**	3300	**16000**	**13000**	**15000**	**21000**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	0.87 U	0.83 U	1.1 U	0.86 U	1 U	0.81 U	0.99 U	0.93 U	**7.2 J+**	1 U	0.97 U	0.99 U	**1.8 J+**	1.1 U	1.1 U	**5.4 J+**	0.77 U	0.93 U	0.74 U	0.85 U
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**0.86**	**3.6**	**2.4**	**2.7**	**3.5**	**2.4**	**2.6 J**	**5.5 J**	**16 J**	**3.3 J**	**1.8 J**	0.5 J	**5.3 J**	**2.2 J**	**1.7 J**	**36 J**	**4**	**2.8**	**1.8**	**1.7**
Inorganics	Barium	7440-39-3	**288**	mg/kg	31	50	100	32	74	86	41	96	**340**	81	**340**	180	200	110 J	170 J	**530 J**	130	270	100	210
Inorganics	Beryllium	7440-41-7	16	mg/kg	0.39 J	0.88	4.9	0.44	0.68	0.35 J	0.44 J	0.57 J	0.4 J	1 J	11 J	6.1 J	0.68 J	3.4 J	3.7 J	0.35 J	2.9	5.6	2	4.2
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	0.21 J	0.37 J	0.53 U	0.26 J	0.36 J	0.18 J	0.21 J	**1.5**	**3**	0.39 J	0.46 J	0.49 U	**1.1**	0.6	**0.89**	**1**	**1.1**	0.15 J	0.11 J	0.089 J
Inorganics	Calcium	7440-70-2	-	mg/kg	250000	210000	210000	170000	180000	220000	210000	65000	16000	210000	190000	190000	24000	230000	220000	26000	110000	100000	130000	170000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**530 J-**	**2500 J-**	**1300 J-**	**850 J-**	**1100 J-**	**1700 J-**	**1000 J**	**380 J**	**180 J**	**1500 J**	**270 J**	**11 J**	**83 J**	**71 J**	**150 J**	**620 J**	**64**	**63**	**33**	**27**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**0.88**	**6**	**2.5**	**3.7**	**4.2**	**2.3**	**3**	**8.2**	**9.3**	**7.9**	**1.4**	0.27 J	**5**	**1.6**	**1.2**	**37**	**2.6**	**3.8**	**2.6**	**1.7**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	13	41	31	28	37	32	25	**88**	**490**	42	22	1.3	**120**	9.3 J	9.6 J	**500 J**	42 J	13 J	34 J	5.7 J
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	0.55 U	0.58 U	0.54 U	0.56 U	0.57 U	**9.6 J+**	**0.64**	0.52 U	0.78 U	0.55 U	**0.4 J**	0.55 U	**0.47 J**	**0.44 J**	**0.29 J**	**8.1**	**0.34 J**	0.52 U	0.53 U	0.53 U
Inorganics	Iron	7439-89-6	**6**	mg/kg	**190000**	**160000**	**140000**	**240000**	**200000**	**170000**	**150000 J**	**120000 J**	**56000 J**	**130000 J**	**32000 J**	**1400 J**	**43000 J**	**110000**	**46000**	**150000**	**44000**	**140000**	**200000**	**140000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	41 J+	24 J+	9.9 J+	45 J+	57 J+	25 J+	24 J+	80 J+	**300 J+**	56 J+	52 J+	1.9 J+	120 J+	55 J+	56 J+	83 J+	77 J+	3.2 J+	2.9 J+	2 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**47000**	**35000**	**29000**	**28000**	**19000**	**31000**	**23000 J**	**10000 J**	6600 J	**30000 J**	**33000 J**	**30000 J**	1200 J	**45000**	**34000**	5300	**22000**	**22000**	**26000**	**33000**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**14000**	**35000**	**22000**	**15000**	**31000**	**34000**	**31000 J+**	**4100 J+**	**860 J+**	**25000 J+**	**11000 J+**	**3000 J+**	**1700 J+**	**2800 J+**	**5800 J+**	**3100 J+**	**2000 J+**	**3000 J+**	**1500 J+**	**1700 J+**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.036 J	0.1 U	0.096 U	**0.097 J**	**0.11**	0.039 J	0.023 J	0.1 U	**0.27**	**0.15**	0.1 U	0.1 U	**0.071 J**	0.1 U	0.11 U	**0.29**	**0.051 J**	0.093 U	0.1 U	0.097 U
Inorganics	Nickel	7440-02-0	**52**	mg/kg	10	**160**	**68**	**130**	**120**	20	41 J-	**190 J-**	**190 J-**	**370 J-**	7.7 J-	1.1 J-	**110 J-**	8	14	**2300**	16	8.5	22	4
Inorganics	Potassium	7440-09-7	-	mg/kg	170 J	370 J	270 J	320 J	320 J	420 J	190 J	460	530 J	440 J	1400	1300	870	660	1200	310 J	920	570	710	930
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	2.2 U	**0.81 J**	**2.1 J**	2.2 U	**0.82 J**	**0.55 J**	2.5 U	2.3 U	3.9 U	2.5 U	**2.5**	**1.5 J**	2.6 U	**1.3 J**	**1.8 J**	**1.6 J**	**1.3 J**	**1.2 J**	**0.76 J**	**1.2 J**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.096 J	**0.26 J**	0.53 U	**0.16 J**	**0.29 J**	0.073 J	**0.13 J**	**0.21 J**	**8.4**	**0.27 J**	**0.12 J**	0.49 U	**0.14 J**	**0.18 J**	**0.39 J**	**0.31 J**	**0.18 J**	0.46 U	0.37 U	0.43 U
Inorganics	Sodium	7440-23-5	-	mg/kg	860	950	1100	1200	1100	1100	280 J	360 J	180 J	340 J	760	650	230 J	690	1200	570	630	770	890	1100
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.44 U	0.42 U	0.53 U	0.056 J	0.061 J	0.41 U	0.5 U	0.061 J	**0.14 J**	0.51 U	**0.087 J**	0.49 U	0.056 J	**0.094 J**	**0.09 J**	0.56 U	0.065 J	0.46 U	0.044 J	0.43 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**380**	**410**	**310**	**360**	**350**	**410**	**400**	27	14	**290**	**110**	4.2	12	36 J	**53 J**	29 J	22	34	22	18
Inorganics	Zinc	7440-66-6	**119**	mg/kg	**340 J+**	55 J+	28 J+	**580 J+**	**150 J+**	34 J+	42 J+	**130 J+**	**250 J+**	62 J+	**700 J+**	11 J+	110 J+	**580 J+**	**280 J+**	**260 J+**	**140 J+**	14 J+	21 J+	11 J+

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table F - Year 1 Inorganic Analytical Data Table

Location					RI-SB-27	RI-SB-27	RI-SB-27	RI-SB-29	RI-SB-29	RI-SB-29	RI-SB-30	RI-SB-30	RI-SB-30	RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35	RI-SB-39	RI-SB-39	RI-SB-39
Sample #					RI-SB-27-0-0.5	RI-SB-27-1-2	RI-SB-27-14-15	RI-SB-29-0-0.5	RI-SB-29-1-2	RI-SB-29-4-5	RI-SB-30-0-0.5	RI-SB-30-1-2	RI-SB-30-2-3	RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-18-19	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10	RI-SB-39-0-0.5	RI-SB-39-1-2	RI-SB-39-2-3
Start Depth					0	1	14	0	1	4	0	1	2	0	1	4	0	1	18	0	1	9	0	1	2
End Depth					0.5	2	15	0.5	2	5	0.5	2	3	0.5	2	5	0.5	2	19	0.5	2	10	0.5	2	3
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					8/21/2023	8/21/2023	8/21/2023	9/11/2023	9/11/2023	9/11/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/13/2023	9/13/2023	9/13/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	6600	**8000**	5300	**11000 J**	**12000 J**	6500 J	5200	**15000**	**16000**	**13000**	**15000**	**20000**	**18000**	2000	5000	**13000**	**14000**	**12000**	**8700**	**7800**	3400
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	1 J+	**1.3 J+**	**4.1 J+**	**1.5 J+**	0.99 U	**1.6 J+**	0.92 U	0.86 U	1 U	1 J+	0.87 U	0.97 U	0.85 U	**230 J+**	1.1 U	0.94 U	0.84 U	**2.3 J+**	**2.1 J+**	**2.6 J+**	**2.7 J+**
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**5.8 J**	**7.2 J**	**3.9 J**	**6.7**	**5.5**	**17**	**4.2 J**	**1.9 J**	**2.5 J**	**7 J**	**2 J**	**0.71 J**	**2.6**	**5.2**	**6.2**	**0.72**	0.6	**13**	**9.6**	**15**	**14**
Inorganics	Barium	7440-39-3	**288**	mg/kg	77	160	120	110	76	76	47	**320**	280	160	180	230	130	200	130	40	35	**350**	73	79	79
Inorganics	Beryllium	7440-41-7	16	mg/kg	0.72 J+	0.84 J+	0.44 U	1.6 J+	1.8 J+	1.5 J+	0.28 J	5.3 J	5.7 J	2.4 J	3.6 J	6.1 J	3.4	0.46 J	0.49 J	0.35 J	0.22 J	0.52	0.79 J+	0.78	0.61
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	**3.3**	**5.7**	**1.3**	**2.1**	**0.9**	**2.6**	0.27 J	0.54	**0.72**	**1**	0.65	0.49	0.35 J	0.64	**11**	0.47 U	0.42 U	**1.7**	**1.8 J-**	**2.5 J-**	**2.6 J-**
Inorganics	Calcium	7440-70-2	-	mg/kg	110000	110000	54000	120000 J+	170000 J+	59000	78000	140000	150000	240000	160000	190000	170000	5200	140000	200000	210000	47000	160000 J-	65000 J-	120000 J-
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**390**	**770**	**95**	**580 J**	**660 J**	**140 J**	**11**	**47**	**120**	**410**	**320**	**11**	**37**	**59**	**79**	**1100**	**1100**	**150**	**1100**	**280**	**220**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**5.5**	**6**	**3.9**	**5.9**	**2.8**	**14**	**5.5**	**1.2**	**2.1**	**2.4**	**1.1**	0.38 J	**1.9**	**3.5**	**7.5**	**1**	**0.8**	**7.6**	**6**	**8.9**	**7.1**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	48	**66**	**160**	**71**	18	**68**	12 J	13 J	15 J	39 J	22 J	5.3 J	15 J	**240 J**	**96 J**	11 J	7.8 J	**230 J**	**90**	**190**	**190**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	**0.34 J**	**0.57**	**0.51 J**	**0.28 J**	0.56 U	0.55 U	**0.24 J**	**0.39 J**	**0.43 J**	**0.56**	**0.64**	**0.29 J**	**0.32 J**	0.56 U	0.65 U	0.56 U	0.56 U	**0.31 J**	0.54 U	0.53 U	0.5 U
Inorganics	Iron	7439-89-6	**6**	mg/kg	**73000**	**200000**	**19000**	**130000 J+**	**200000 J+**	**390000 J+**	**8000 J+**	**20000 J+**	**30000 J+**	**88000 J**	**37000 J+**	**3700 J+**	**25000**	**9800**	**19000**	**130000**	**130000**	**46000**	**190000**	**79000**	**35000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	**300 J+**	**450 J+**	81 J+	170 J+	68 J+	**200 J+**	6.5 J+	26 J+	32 J+	66 J+	32 J+	6.5 J+	14 J+	**1500 J+**	110 J+	1.9 J+	1.1 J+	**470 J+**	**360 J+**	**230 J+**	**190 J+**
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**27000**	**19000**	**22000**	**18000**	**33000**	5900	**14000 J**	**29000 J**	**23000 J**	**17000 J**	**23000 J**	**31000 J**	**25000**	1400	**15000**	**32000**	**30000**	2800	**18000**	5500	2900
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**4600 J**	**12000 J**	**960 J**	**9500 J+**	**22000 J+**	**5200 J+**	**300 J+**	**3000 J+**	**7800 J+**	**9800 J+**	**7400 J+**	**2500 J+**	**1900 J+**	**2300 J+**	**360 J+**	**21000 J+**	**13000 J+**	**1600 J+**	**18000 J+**	**3800 J+**	**3800 J+**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.094 U	**0.13**	**0.097**	**0.17**	0.035 J	**0.11**	0.018 J	0.04 J	0.047 J	**0.13**	**0.063 J**	0.11 U	**0.13**	**0.063 J**	**2.1**	0.1 U	0.11 U	**0.15**	**0.44**	**0.24**	**0.21**
Inorganics	Nickel	7440-02-0	**52**	mg/kg	**140**	**150**	**69**	**100**	46	**55**	15 J	15 J	14 J	31 J	17 J	2.3 J	8.6	31	28	3.8	2.8	**250**	**80**	**140**	**110**
Inorganics	Potassium	7440-09-7	-	mg/kg	590	450	530 J	760	720	410 J	1300	1200	1400	910	660	890	1600	450	770	420 U	390 U	1100	370 J	650	280 J
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	2.4 U	2.3 U	2.2 U	**0.78 J**	**0.87 J**	1.9 U	2.3 U	**1.9 J**	**2.7**	**1.8 J**	**1.8 J**	**2.8**	**1.4 J**	2.7 U	**0.99 J**	**0.89 J**	**0.68 J**	2.3 U	**0.72 J**	2.2 U	2.1 U
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	**1.5**	**2.3**	**0.52**	**0.67**	**0.25 J**	**0.94**	0.46 U	0.094 J	**0.11 J**	**0.23 J**	**0.13 J**	0.087 J	0.068 J	**0.52 J**	**1.5**	0.47 U	0.42 U	**0.42 J**	**0.54**	**0.23 J**	**0.14 J**
Inorganics	Sodium	7440-23-5	-	mg/kg	430 J	920	190 J	620 J-	520 J-	820 J-	140 J	780	720	580	580	860	770	75 J	330 J	190 J	360 J	700	450	270 J	120 J
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	**0.36 J**	**0.6**	0.044 J	**0.12 J**	0.05 J	**0.098 J**	0.06 J	0.047 J	0.5 U	**0.21 J**	0.43 U	0.48 U	0.076 J	0.54 U	**0.23 J**	0.47 U	0.42 U	0.063 J	**0.4 J**	0.045 J	0.042 J
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**51**	**99**	11	**160 J**	**320 J**	37 J	13 J	15 J	**56 J**	**150 J**	**95 J**	5.1 J	18	10	17	**600**	**500**	14	**330**	**40**	32
Inorganics	Zinc	7440-66-6	**119**	mg/kg	**1400 J+**	**2200 J+**	**140 J+**	**680 J+**	**120 J+**	**320 J+**	49 J+	69 J+	60 J+	**250 J+**	60 J+	10 J+	**240 J+**	**150 J+**	**400 J+**	37 J+	21 J+	**440 J+**	**3200 J-**	88 J+	100 J+

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

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J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
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U - Not Detected

Table F - Year 1 Inorganic Analytical Data Table

Location					RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-41	RI-SB-41	RI-SB-41	RI-SB-42	RI-SB-42	RI-SB-42
Sample #					RI-SB-40-0-0.5	RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40A-1-2	RI-SB-41-0-0.5	RI-SB-41-1-2	RI-SB-41-4-5	RI-SB-42-0-0.5	RI-SB-42-1-2	RI-SB-42-19-20
Start Depth					0	1	3	1	0	1	4	0	1	19
End Depth					0.5	2	4	2	0.5	2	5	0.5	2	20
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-40-1-2	-	-	-	-	-	-
Sample Date					9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/6/2023	9/6/2023	9/6/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**12000**	5600	**8300**	**8600**	**18000 J**	6500 J	3200 J	**10000**	**16000**	5900
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	**2 J+**	**1.5 J+**	1.2 U	**1.9 J+**	1 J+	**3.9 J+**	**1.5 J+**	**2.4 J+**	0.83 U	0.94 U
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**8.4**	**7.8**	**15**	**7.6**	**6.7**	**36**	**5.8**	**8 J**	**4.8 J**	**5.3 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	140	100	47	200	93	51	**580**	97 J	69 J	40 J
Inorganics	Beryllium	7440-41-7	16	mg/kg	1.8	1.4	0.8	1.4	2 J+	0.55 J+	0.52 U	1.1 J	0.74 J	0.35 J
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	**3.9 J-**	**2.7 J-**	**1 J-**	**2.7 J-**	**0.77**	0.68	0.28 J	**1.4**	**1.1**	0.26 J
Inorganics	Calcium	7440-70-2	-	mg/kg	96000 J-	85000 J-	340000 J-	140000 J-	150000 J+	71000	11000	170000	190000	120000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**380**	**72**	**11**	**330**	**1000 J**	**17000 J**	**69 J**	**1200 J**	**1100 J**	**120 J**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**7.6**	**7**	**6.1**	**19**	**9**	**96**	**3.9**	**9**	**7.8**	**3.5**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	**370**	**87**	19	**280**	**56**	**390**	**74**	**200 J**	45 J	13 J
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	**0.91**	0.58 U	**1.6**	**0.33 J**	0.52 U	**0.45 J**	**0.28 J**	**0.39 J**	**1.4**	**1.3**
Inorganics	Iron	7439-89-6	**6**	mg/kg	**120000**	**50000**	**8500**	**41000**	**150000 J+**	**350000 J+**	**37000**	**190000**	**180000**	**20000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	**270 J+**	120 J+	18 J+	140 J+	83 J+	110 J+	66 J+	140 J+	86 J+	21 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**19000**	6200	7300	**45000**	**30000**	**9200**	2500	**26000**	**22000**	**14000**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**7700 J+**	**1100 J+**	**290 J+**	**2800 J+**	**9400 J+**	**9900 J+**	**1300 J+**	**19000 J+**	**22000 J+**	**3700 J+**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	**0.15**	**0.16**	**0.34**	**0.17**	**0.098 J**	**0.12**	**0.13**	**0.15**	**0.086 J**	0.12 U
Inorganics	Nickel	7440-02-0	**52**	mg/kg	**100**	36	15	**71**	**310**	**7200**	**76**	**290**	**230**	13
Inorganics	Potassium	7440-09-7	-	mg/kg	790	680	790	460 J	670	390 J	280 J	200 J	360 J	460 J
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**1.4 J**	**0.73 J**	**1.4 J**	**1 J**	**1.1 J**	2.2 U	2.6 U	**1.1 J**	**0.9 J**	2.3 U
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	**0.9**	**0.1 J**	0.61 U	**0.25 J**	**0.39 J**	**1.2**	**0.25 J**	**2.5**	**0.65**	0.47 U
Inorganics	Sodium	7440-23-5	-	mg/kg	570	940	440 J	1400	550 J-	750 J-	140 J-	680	710	420 J
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	**0.25 J**	0.49 U	0.067 J	0.053 J	**0.081 J**	0.044 J	0.52 U	**0.084 J**	0.054 J	0.47 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**99**	33	20	**74**	**190 J**	**140 J**	13 J	**220 J**	**260 J**	**52 J**
Inorganics	Zinc	7440-66-6	**119**	mg/kg	**1200 J+**	**210 J+**	**120 J+**	**260 J+**	**860 J**	**290 J**	54 J	**2000 J+**	**1100 J+**	57 J+

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table G - Year 1 PFAS Analytical Data Table

Location						RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-07	RI-SB-07	RI-SB-07	RI-SB-08	RI-SB-08	RI-SB-08
Sample #						RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-04-0-0.5	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5	RI-SB-08-0-0.5	RI-SB-08-1-2	RI-SB-08-4-5
Start Depth						0	1	4	0	1	4	1	0	1	5	0	1	4	0	1	4
End Depth						0.5	2	5	0.5	2	5	2	0.5	2	6	0.5	2	5	0.5	2	5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	RI-SB-02-1-2	-	-	-	-	-	-	-	-	-
Sample Date						8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/29/2023	8/29/2023	8/29/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	133 UA	135 UA	119 UA	128 UA	113 UA	130 UA	102 UA	109 UA	106 UA	112 UA	135 UA	164 A	436 TA	144 UA	110 UA	138 UA
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	53.2 UA	53.9 UA	47.4 UA	51.1 UA	45.1 UA	51.9 UA	40.9 UA	43.5 UA	42.5 UA	44.6 UA	53.8 UA	48.4 UA	52.5 UA	57.6 UA	44.1 UA	55 UA
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	26 KTA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	102 KTA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	313 KTA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	26.6 UJA	26.9 UJA	23.7 UA	25.6 UA	22.5 UA	191 KTA	20.4 UA	52 TA	21.3 UJA	22.3 UJA	26.9 UA	24.2 UA	28.8 KTA	27.8 LTA	22.1 UJA	27.5 UA
Perfluorosulfonic Acids	Perfluorobutanesulfonic acid	PFBS	375-73-5	6000	ng/kg	133 UA	135 UA	119 UA	128 UA	113 UA	130 UA	102 UA	109 UA	106 UA	112 UA	135 UA	121 UA	131 UA	144 UA	110 UA	138 UA
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UJA	22.1 UA	27.5 UA
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UJA	22.1 UA	27.5 UA
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	71.5 TA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	67 TA	20.4 UA	21.7 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	26.6 UA	26.9 UA	23.7 UA	25.6 UA	22.5 UA	25.9 UA	20.4 UA	23.5 UA	21.3 UA	22.3 UA	26.9 UA	24.2 UA	26.3 UA	28.8 UA	22.1 UA	27.5 UA
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	31.9 UA	32.3 UA	28.5 UA	30.7 UA	27 UA	181 TA	24.5 UA	211 A	74.3 A	72.4 A	37.8 A	29 UA	31.5 UA	35 A	63 A	42 A

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp.

3. The analytical data shown above has not been validated by a third-party validator. The data is presented for discussion purposes only.

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table G - Year 1 PFAS Analytical Data Table

Location						RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-16
Sample #						RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-12-0-0.5	RI-SB-12-1-2	RI-SB-12-16-17	RI-SB-12A-0-0.5	RI-SB-13-0-0.5	RI-SB-13-1-2	RI-SB-13-19-20	RI-SB-14-0-0.5	RI-SB-14-1-2	RI-SB-16-0-0.5
Start Depth						0	1	4	0	1	7	0	1	16	0	0	1	19	0	1	0
End Depth						0.5	2	5	0.5	2	8	0.5	2	17	0.5	0.5	2	20	0.5	2	0.5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	RI-SB-12-0-0.5	-	-	-	-	-	-
Sample Date						9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/5/2023	9/5/2023	9/19/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	98.8 UA	136 UA	114 UA	130 UA	121 UA	128 UA	122 UA	116 UA	121 UA	115 UA	98 UA	122 UA	121 UA	112 UA	115 UA	129 UA
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	39.5 UA	54.2 UA	45.7 UA	51.9 UA	48.3 UA	51.3 UA	48.9 UA	46.5 UA	48.5 UA	46 UA	39.2 UA	48.7 UA	48.2 UA	44.6 UA	45.9 UA	51.7 UA
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	19.8 UA	69.6 TA	55.4 TA	31.3 TA	52.3 A	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	19.8 UA	33.9 TA	22.8 UA	77.4 TA	205 TA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	25.2 TA	23 UA	25.9 UA
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	**31.9 JA**	**103 TA**	**38.3 A**	**547 TA**	**327 TA**	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	**25.8 TA**	24.3 UA	**33.9 TA**	**58 A**	23 UA	**31.7 A**
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	88.4 TA	45.7 TA	625 TA	2670 TA	924 TA	139 TA	24.5 UA	23.2 UA	222 TA	23 UA	154 TA	26.8 A	1390 TA	79 A	23 UA	30.4 A
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	2150 TA	89.4 TA	144 TA	3100 LTA	1400 TA	35.5 TA	24.5 UA	23.2 UA	2170 TA	23 UA	345 TA	33.7 A	172 TA	117 A	23 UA	29.8 A
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	2970 TA	27.1 UA	28.1 TA	878 LTA	1820 TA	236 TA	24.5 UA	23.2 UA	1790 TA	23 UA	783 TA	24.3 UA	2180 TA	49.7 A	23 UA	25.9 UA
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	3570 LTA	27.1 UJA	36.8 LTA	145 LTA	915 TA	50.9 TA	24.5 UA	23.2 UA	1660 TA	23 UA	268 TA	24.3 UJA	376 TA	61.9 A	23 UA	25.9 UA
Perfluorosulfonic Acids	Perfluorobutanesulfonic acid	PFBS	375-73-5	6000	ng/kg	98.8 UA	136 UA	114 UA	130 UA	121 UA	128 UA	122 UA	116 UA	121 UA	115 UA	98 UA	122 UA	121 UA	112 UA	115 UA	129 UA
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	30.9 A	47.1 A	24.1 UA	22.3 UA	23 UA	25.9 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	90.3 TA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	19.8 UA	33.3 TA	22.8 UA	25.9 UJA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	19.8 UA	27.1 UJA	22.8 UA	25.9 UJA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	52.8 A	25.9 UA
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	19.8 UA	27.1 UJA	22.8 UA	25.9 UJA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	19.8 UA	27.1 UA	63.9 UTA	25.9 UA	24.2 UA	2020 TA	24.5 UA	23.2 UA	24.3 UA	23 UA	19.6 UA	24.3 UA	24.1 UA	22.3 UA	23 UA	25.9 UA
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	19.8 UA	27.1 UA	22.8 UA	25.9 UA	24.2 UA	37.3 TA	24.5 UA	23.2 UA	27.1 A	23 UA	20.2 IA	46.5 A	110 A	22.3 UA	23 UA	25.9 UA
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	19.8 UA	60.6 TA	22.8 UA	25.9 UA	33.5 TA	25.7 UA	24.5 UA	23.2 UA	24.3 UA	168 TA	19.6 UA	24.3 UA	24.1 UA	28.6 A	23 UA	25.9 UA
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	40.1 JA	128 A	27.4 UA	74.5 A	366 TA	166 TA	64 UA	60.8 UA	95.7 JA	60.1 UA	324 JA	973 A	801 A	473 A	134 A	169 A

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp.

3. The analytical data shown above has not been validated by a third-party validator. The data is presented for discussion purposes only.

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table G - Year 1 PFAS Analytical Data Table

Location						RI-SB-16	RI-SB-16	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-23	RI-SB-25	RI-SB-25	RI-SB-25	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-29	RI-SB-29	RI-SB-29
Sample #						RI-SB-16-1-2	RI-SB-16-13-14	RI-SB-23-0-0.5	RI-SB-23-1-2	RI-SB-23-17-18	RI-SB-23A-0-0.5	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18	RI-SB-26-0-0.5	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2	RI-SB-29-0-0.5	RI-SB-29-1-2	RI-SB-29-4-5
Start Depth						1	13	0	1	17	0	0	1	17	0	1	2	1	0	1	4
End Depth						2	14	0.5	2	18	0.5	0.5	2	18	0.5	2	3	2	0.5	2	5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	N	N
Parent Sample #						-	-	-	-	-	RI-SB-23-0-0.5	-	-	-	-	-	-	RI-SB-26-1-2	-	-	-
Sample Date						9/19/2023	9/19/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	9/19/2023	9/19/2023	9/19/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/11/2023	9/11/2023	9/11/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	135 UA	130 UA	94.9 UA	129 UA	116 UA	121 UA	97.4 UA	99.2 UA	150 UA	121 UA	115 UA	120 UA	95.7 UA	135 UA	137 UA	109 UA
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	53.8 UA	51.8 UA	38 UA	51.5 UA	46.3 UA	48.3 UA	38.9 UA	39.7 UA	59.9 UA	48.3 UA	45.8 UA	48.2 UA	38.3 UA	53.9 UA	54.9 UA	43.7 UA
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	28.6 A	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UA	**36.5 A**	**35.7 A**	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	**71.6 A**	27.4 UA	21.8 UA
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UA	45.5 A	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	794 TA	27.4 UA	77.5 TA
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UJA	90.4 A	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	817 TA	27.4 UA	401 TA
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UJA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	1230 TA	27.4 UA	323 TA
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UJA	39.9 A	19.8 UJA	30 UA	24.2 UJA	22.9 UA	24.1 UJA	19.1 UA	981 TA	27.4 UA	23.6 TA
Perfluorosulfonic Acids	Perfluorobutanesulfonic acid	PFBS	375-73-5	6000	ng/kg	135 UA	130 UA	94.9 UA	129 UA	116 UA	121 UA	97.4 UA	99.2 UA	150 UA	121 UA	115 UA	120 UA	95.7 UA	135 UA	137 UA	109 UA
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	79.5 TA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	43.2 A	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UJA	19.5 UA	19.8 UJA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UJA	19.5 UA	19.8 UJA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UJA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	26.9 UA	25.9 UA	19 UJA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	137 TA	27.4 UA	21.8 UA
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	26.9 UA	25.9 UA	19 UA	25.7 UA	23.2 UA	24.2 UA	19.5 UA	19.8 UA	30 UA	24.2 UA	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	26.9 UA	25.9 UA	36.5 A	25.7 UA	23.2 UA	30 A	28.8 JTA	19.8 UA	30 UA	53.5 A	22.9 UA	24.1 UA	19.1 UA	27 UA	27.4 UA	21.8 UA
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	85.4 A	31.1 UA	81.3 A	196 TA	87 A	96.9 A	30 A	23.8 UA	181 A	131 A	27.5 UA	28.9 UA	23 UA	93.8 JA	71.8 UA	57.1 UA

Notes:

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J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table G - Year 1 PFAS Analytical Data Table

Location						RI-SB-30	RI-SB-30	RI-SB-30	RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35	RI-SB-39	RI-SB-39	RI-SB-39	RI-SB-40
Sample #						RI-SB-30-0-0.5	RI-SB-30-1-2	RI-SB-30-2-3	RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-18-19	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10	RI-SB-39-0-0.5	RI-SB-39-1-2	RI-SB-39-2-3	RI-SB-40-0-0.5
Start Depth						0	1	2	0	1	4	0	1	18	0	1	9	0	1	2	0
End Depth						0.5	2	3	0.5	2	5	0.5	2	19	0.5	2	10	0.5	2	3	0.5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	118 UA	114 UA	134 UA	101 UA	99.1 UA	120 UA	114 UA	98.1 UA	144 UA	101 UA	125 UA	126 UA	262 JA	118 UJA	135 UJA	118 UJA
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	47 UA	45.7 UA	53.7 UA	40.3 UA	39.6 UA	48.1 UA	45.6 UA	39.2 UA	57.6 UA	40.4 UA	50.1 UA	50.6 UA	113 JA	47 UJA	53.8 UJA	47.2 UJA
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	27.3 TA	23.7 TA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	56 JA	23.5 UJA	26.9 UJA	23.6 UJA
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	23.5 UA	22.8 UA	26.9 UA	52.6 TA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	148 JA	67.5 JA	61.2 JA	23.6 UJA
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	23.5 UA	22.8 UA	26.9 UA	**271 TA**	**33.9 A**	24.1 UA	22.8 UA	19.6 UA	28.8 UA	**35.9 JA**	25.1 UA	25.3 UA	**625 JA**	**25.9 JA**	**33.4 JA**	**38.2 JA**
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	23.5 UA	47.8 TA	26.9 UA	755 TA	23.4 TA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	51.4 JA	23.5 UJA	26.9 UJA	23.6 UJA
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	23.5 UA	22.8 UA	26.9 UA	1150 TA	19.8 UA	24.8 TA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UJA	25.3 UA	51.3 JA	23.5 UJA	26.9 UJA	34 JA
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	805 TA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	38.8 TA	20.2 UJA	25.1 UJA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	23.5 UA	22.8 UA	79.5 KTA	1060 TA	19.8 UJA	24.1 UJA	22.8 UJA	19.6 UA	172 TA	20.2 UJA	25.1 UJA	25.3 UA	26.1 JA	32.2 JA	26.9 UJA	26.9 JA
Perfluorosulfonic Acids	Perfluorobutanesulfonic acid	PFBS	375-73-5	6000	ng/kg	118 UA	114 UA	134 UA	101 UA	99.1 UA	120 UA	114 UA	98.1 UA	144 UA	101 UA	125 UA	126 UA	125 UJA	118 UJA	135 UJA	118 UJA
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	26.6 JA	23.5 UJA	26.9 UJA	23.6 UJA
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	20.2 UA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	25.1 UJA	23.5 UJA	26.9 UJA	23.6 UJA
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	23.5 UA	22.8 UA	26.9 UA	31 TA	19.8 UA	24.1 UA	22.8 UA	19.6 UA	28.8 UA	20.2 UA	25.1 UA	25.3 UA	74.9 JA	26.8 JA	26.9 UJA	23.6 UJA
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	28.2 UA	27.4 UA	32.2 UA	205 TA	23.8 UA	28.9 UA	27.4 UA	28.3 A	34.5 UA	68.3 JA	78.6 A	30.4 UA	454 JA	216 JTA	251 JA	93.6 JA

Notes:

1. Identifies results that exceed the listed PAL value

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3. The analytical data shown above has not been validated by a third-party validator. The data is presented for discussion purposes only.

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Table G - Year 1 PFAS Analytical Data Table

Location						RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-41	RI-SB-41	RI-SB-41	RI-SB-42	RI-SB-42	RI-SB-42
Sample #						RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40A-1-2	RI-SB-41-0-0.5	RI-SB-41-1-2	RI-SB-41-4-5	RI-SB-42-0-0.5	RI-SB-42-1-2	RI-SB-42-19-20
Start Depth						1	3	1	0	1	4	0	1	19
End Depth						2	4	2	0.5	2	5	0.5	2	20
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	FD	N	N	N	N	N	N
Parent Sample #						-	-	RI-SB-40-1-2	-	-	-	-	-	-
Sample Date						9/13/2023	9/13/2023	9/13/2023	9/6/2023	9/6/2023	9/6/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	138 UJA	140 UJA	134 UJA	596 UJA	131 UJA	106 JA	97.9 UA	123 UA	130 UA
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	55.1 UJA	55.9 UJA	53.6 UJA	238 UJA	52.2 UJA	42 UJA	39.2 UA	49.4 UA	52 UA
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	**41.9 JA**	**48.6 JA**	**40.9 JA**	**41.4 JA**	26.1 UJA	21 UJA	**76.3 A**	**73.8 A**	26 UA
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	27.6 UJA	28 UJA	26.8 UJA	35.2 JA	26.1 UJA	21 UJA	94.2 A	72.9 A	26 UJA
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	27.6 UJA	28 UJA	26.8 UJA	51.8 JA	26.1 UJA	21 UJA	55.4 A	41.1 LA	26 UJA
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UJA
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	27.6 UJA	28 UJA	26.8 UJA	37.9 JA	26.1 UJA	21 UJA	27.5 A	24.7 UJA	26 UJA
Perfluorosulfonic Acids	Perfluorobutanesulfonic acid	PFBS	375-73-5	6000	ng/kg	138 UJA	140 UJA	134 UJA	596 UJA	131 UJA	105 UJA	97.9 UA	123 UA	130 UA
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UJA
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	56.3 JA	28.6 JA	21 UJA	19.6 UA	24.7 UA	26 UA
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	1230 JTA	212 JA	37.6 JA	19.6 UA	24.7 UA	26 UJA
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UJA
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	119 UJA	26.1 UJA	21 UJA	19.6 UA	24.7 UA	26 UA
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	27.6 UJA	28 UJA	26.8 UJA	56.3 JA	54.4 JA	21 UJA	19.6 UA	24.7 UA	26 UA
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	122 JA	239 JA	127 JA	1420 JA	582 JA	412 JA	36 A	56.6 A	31.2 UA

Notes:

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Table H - Year 1 General Chemistry Data Table

Location						RI-SB-01	RI-SB-01	RI-SB-01	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-02	RI-SB-04	RI-SB-04	RI-SB-04	RI-SB-07	RI-SB-07	RI-SB-07
Sample #						RI-SB-01-0-0.5	RI-SB-01-1-2	RI-SB-01-4-5	RI-SB-02-0-0.5	RI-SB-02-1-2	RI-SB-02-4-5	RI-SB-02A-1-2	RI-SB-04-0-0.5	RI-SB-04-1-2	RI-SB-04-5-6	RI-SB-07-0-0.5	RI-SB-07-1-2	RI-SB-07-4-5
Start Depth						0	1	4	0	1	4	1	0	1	5	0	1	4
End Depth						0.5	2	5	0.5	2	5	2	0.5	2	6	0.5	2	5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	FD	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	RI-SB-02-1-2	-	-	-	-	-	-
Sample Date						8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/28/2023	8/29/2023	8/29/2023	8/29/2023	9/14/2023	9/14/2023	9/14/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	86.8	89.3	89.7	90	88	80.8	87.6	80.6	89.2	84.7	-	-	-
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	20900	13500	21200	22100	34400	68200	26400	25000	15300	59000	76400	77300	35100

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Table H - Year 1 General Chemistry Data Table

Location						RI-SB-08	RI-SB-08	RI-SB-08	RI-SB-10	RI-SB-10	RI-SB-10	RI-SB-11	RI-SB-11	RI-SB-11	RI-SB-12	RI-SB-12	RI-SB-12
Sample #						RI-SB-08-0-0.5	RI-SB-08-1-2	RI-SB-08-4-5	RI-SB-10-0-0.5	RI-SB-10-1-2	RI-SB-10-4-5	RI-SB-11-0-0.5	RI-SB-11-1-2	RI-SB-11-7-8	RI-SB-12-0-0.5	RI-SB-12-1-2	RI-SB-12-16-17
Start Depth						0	1	4	0	1	4	0	1	7	0	1	16
End Depth						0.5	2	5	0.5	2	5	0.5	2	8	0.5	2	17
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						9/14/2023	9/14/2023	9/14/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/8/2023	9/8/2023	9/8/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	-	-	-	93.3	90.9	93.9	87	87.8	82.5	93.3	92.2	86.5
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	48700	24300	33300	81300	32800	41000	39000	17900	20800	81100	88100	95900

Notes:

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Table H - Year 1 General Chemistry Data Table

Location						RI-SB-12	RI-SB-13	RI-SB-13	RI-SB-13	RI-SB-14	RI-SB-14	RI-SB-16	RI-SB-16	RI-SB-16	RI-SB-23	RI-SB-23	RI-SB-23
Sample #						RI-SB-12A-0-0.5	RI-SB-13-0-0.5	RI-SB-13-1-2	RI-SB-13-19-20	RI-SB-14-0-0.5	RI-SB-14-1-2	RI-SB-16-0-0.5	RI-SB-16-1-2	RI-SB-16-13-14	RI-SB-23-0-0.5	RI-SB-23-1-2	RI-SB-23-17-18
Start Depth						0	0	1	19	0	1	0	1	13	0	1	17
End Depth						0.5	0.5	2	20	0.5	2	0.5	2	14	0.5	2	18
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						FD	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						RI-SB-12-0-0.5	-	-	-	-	-	-	-	-	-	-	-
Sample Date						9/8/2023	9/8/2023	9/8/2023	9/8/2023	9/5/2023	9/5/2023	9/19/2023	9/19/2023	9/19/2023	8/30/2023	8/30/2023	8/30/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	92.5	90.9	85.8	84.4	85.2	91.5	-	-	-	93.5	93.2	81.2
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	60500	57700	45700	25300	63100	52800	26200	15000	38600	24700	25200	34900

Notes:

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Table H - Year 1 General Chemistry Data Table

Location						RI-SB-23	RI-SB-25	RI-SB-25	RI-SB-25	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-26	RI-SB-29	RI-SB-29	RI-SB-29	RI-SB-30
Sample #						RI-SB-23A-0-0.5	RI-SB-25-0-0.5	RI-SB-25-1-2	RI-SB-25-17-18	RI-SB-26-0-0.5	RI-SB-26-1-2	RI-SB-26-2-3	RI-SB-26A-1-2	RI-SB-29-0-0.5	RI-SB-29-1-2	RI-SB-29-4-5	RI-SB-30-0-0.5
Start Depth						0	0	1	17	0	1	2	1	0	1	4	0
End Depth						0.5	0.5	2	18	0.5	2	3	2	0.5	2	5	0.5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						FD	N	N	N	N	N	N	FD	N	N	N	N
Parent Sample #						RI-SB-23-0-0.5	-	-	-	-	-	-	RI-SB-26-1-2	-	-	-	-
Sample Date						8/30/2023	9/19/2023	9/19/2023	9/19/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/11/2023	9/11/2023	9/11/2023	9/20/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	90.6	-	-	-	-	-	-	-	90.7	87.9	88.6	-
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	29400	37500	21100	91000	251000	9700	15800	24300	63200	24200	24200	29100

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

Table H - Year 1 General Chemistry Data Table

Location						RI-SB-30	RI-SB-30	RI-SB-31	RI-SB-31	RI-SB-31	RI-SB-32	RI-SB-32	RI-SB-32	RI-SB-35	RI-SB-35	RI-SB-35	RI-SB-39
Sample #						RI-SB-30-1-2	RI-SB-30-2-3	RI-SB-31-0-0.5	RI-SB-31-1-2	RI-SB-31-4-5	RI-SB-32-0-0.5	RI-SB-32-1-2	RI-SB-32-18-19	RI-SB-35-0-0.5	RI-SB-35-1-2	RI-SB-35-9-10	RI-SB-39-0-0.5
Start Depth						1	2	0	1	4	0	1	18	0	1	9	0
End Depth						2	3	0.5	2	5	0.5	2	19	0.5	2	10	0.5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/13/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	-	-	-	-	-	-	-	-	-	-	-	90.2 J
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	24400	25600	42300	19200	4420	17700	24100	55000	8280	8500	33600	62500

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

Table H - Year 1 General Chemistry Data Table

Location						RI-SB-39	RI-SB-39	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-40	RI-SB-41	RI-SB-41	RI-SB-41	RI-SB-42	RI-SB-42	RI-SB-42
Sample #						RI-SB-39-1-2	RI-SB-39-2-3	RI-SB-40-0-0.5	RI-SB-40-1-2	RI-SB-40-3-4	RI-SB-40A-1-2	RI-SB-41-0-0.5	RI-SB-41-1-2	RI-SB-41-4-5	RI-SB-42-0-0.5	RI-SB-42-1-2	RI-SB-42-19-20
Start Depth						1	2	0	1	3	1	0	1	4	0	1	19
End Depth						2	3	0.5	2	4	2	0.5	2	5	0.5	2	20
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	FD	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	RI-SB-40-1-2	-	-	-	-	-	-
Sample Date						9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/6/2023	9/6/2023	9/6/2023	9/21/2023	9/21/2023	9/21/2023
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	91.3 J	92.5 J	87.4 J	82.9 J	79 J	83.4	92.7 J	92.6 J	85.6 J	-	-	-
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	24300	26200	72400	50000	119000	48400	23800	16700	110000	56300	35400	66200

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (July 2023)

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					EB-01-SO-Y1 EB 8/15/2023	EB-02-SO-Y1 EB 8/16/2023	EB-03-SO-Y1 EB 8/18/2023	EB-04-SO-Y1 EB 8/22/2023	EB-05-SO-Y1 EB 8/24/2023	EB-06-SO-Y1 EB 8/28/2023	EB-07-SO-Y1 EB 8/29/2023	EB-08-SO-Y1 EB 9/5/2023	EB-09-SO-Y1 EB 9/8/2023	EB-10-SO-Y1 EB 9/11/2023	EB-11-SO-Y1 EB 9/12/2023	EB-12-SO-Y1 EB 9/20/2023	FB-01-SO-Y1 FB 8/28/2023	FB-02-SO-Y1 FB 8/29/2023	FB-04-SO-Y1 FB 9/8/2023	FB-05-SO-Y1 FB 9/11/2023	FB-06-SO-Y1 FB 9/12/2023	FB-07-SO-Y1 FB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	-	71-55-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,1,2,2-Tetrachloroethane	-	79-34-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,1,2-Trichloroethane	-	79-00-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,1,2-Trichlorotrifluoroethane	-	76-13-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,1-Dichloroethane	-	75-34-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,1-Dichloroethene	-	75-35-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2,3-Trichlorobenzene	-	87-61-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2,3-Trichloropropane	-	96-18-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2,4-Trichlorobenzene	-	120-82-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2,4-Trimethylbenzene	-	95-63-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2-Dibromo-3-Chloropropane	-	96-12-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2-Dibromoethane	-	106-93-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2-Dichlorobenzene	-	95-50-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2-Dichloroethane	-	107-06-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,2-Dichloropropane	-	78-87-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,3,5-Trimethylbenzene	-	108-67-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,3-Dichlorobenzene	-	541-73-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	1,4-Dichlorobenzene	-	106-46-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	2-Butanone (MEK)	-	78-93-3	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	10 U	-	-	-	-	-	-
VOCs	2-Hexanone	-	591-78-6	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	10 U	-	-	-	-	-	-
VOCs	4-Methyl-2-Pentanone (MIBK)	-	108-10-1	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	10 U	-	-	-	-	-	-
VOCs	Acetone	-	67-64-1	µg/L	8.3 J	8.3 J	6.6 J	6.6 J	6.7 J	8.5 J	8.1 J	-	-	-	-	12	-	-	-	-	-	-
VOCs	Benzene	-	71-43-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Bromochloromethane	-	74-97-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Bromodichloromethane	-	75-27-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Bromoform	-	75-25-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Bromomethane	-	74-83-9	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Carbon Disulfide	-	75-15-0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Carbon Tetrachloride	-	56-23-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Chlorobenzene	-	108-90-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Chloroethane	-	75-00-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Chloroform	-	67-66-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Chloromethane	-	74-87-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	cis-1,2-Dichloroethene	-	156-59-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	cis-1,3-Dichloropropene	-	10061-01-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Cyclohexane	-	110-82-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Dibromochloromethane	-	124-48-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Dichlorodifluoromethane	-	75-71-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Ethylbenzene	-	100-41-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Isopropylbenzene	-	98-82-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	m,p-Xylene	-	179601-23-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Methyl Acetate	-	79-20-9	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Methyl Tert-Butyl Ether	-	1634-04-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Methylcylohexane	-	108-87-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Methylene Chloride	-	75-09-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	o-Xylene	-	95-47-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Styrene	-	100-42-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Tetrachloroethene	-	127-18-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Toluene	-	108-88-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	trans-1,2-Dichloroethene	-	156-60-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	trans-1,3-Dichloropropene	-	10061-02-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Trichloroethene	-	79-01-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Trichlorofluoromethane	-	75-69-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
VOCs	Vinyl Chloride	-	75-01-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					EB-01-SO-Y1 EB 8/15/2023	EB-02-SO-Y1 EB 8/16/2023	EB-03-SO-Y1 EB 8/18/2023	EB-04-SO-Y1 EB 8/22/2023	EB-05-SO-Y1 EB 8/24/2023	EB-06-SO-Y1 EB 8/28/2023	EB-07-SO-Y1 EB 8/29/2023	EB-08-SO-Y1 EB 9/5/2023	EB-09-SO-Y1 EB 9/8/2023	EB-10-SO-Y1 EB 9/11/2023	EB-11-SO-Y1 EB 9/12/2023	EB-12-SO-Y1 EB 9/20/2023	FB-01-SO-Y1 FB 8/28/2023	FB-02-SO-Y1 FB 8/29/2023	FB-04-SO-Y1 FB 9/8/2023	FB-05-SO-Y1 FB 9/11/2023	FB-06-SO-Y1 FB 9/12/2023	FB-07-SO-Y1 FB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	-	92-52-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	1,2,4,5-Tetrachlorobenzene	-	95-94-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	1,4-Dioxane	-	123-91-1	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.08 J	0.17 J	-	2 R	2 U	-	-	-	-	-	-
SVOCs	1-Methylnaphthalene	-	90-12-0	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.02 J-	0.1 U	-	-	-	-	-	-
SVOCs	2,3,4,6-Tetrachlorophenol	-	58-90-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2,4,5-Trichlorophenol	-	95-95-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2,4,6-Trichlorophenol	-	88-06-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2,4-Dichlorophenol	-	120-83-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 UJ	-	-	-	-	-	-
SVOCs	2,4-Dimethylphenol	-	105-67-9	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2,4-Dinitrophenol	-	51-28-5	µg/L	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	-	-	-	10 R	10 UJ	-	-	-	-	-	-
SVOCs	2,4-Dinitrotoluene	-	121-14-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2,6-Dinitrotoluene	-	606-20-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2-Chloronaphthalene	-	91-58-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2-Chlorophenol	-	95-57-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	2-Methylnaphthalene	-	91-57-6	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	5 R	0.1 U	-	-	-	-	-	-
SVOCs	2-Methylphenol	-	95-48-7	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	2-Nitroaniline	-	88-74-4	µg/L	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	-	-	-	5 R	5 UJ	-	-	-	-	-	-
SVOCs	2-Nitrophenol	-	88-75-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	3,3'-Dichlorobenzidine	-	91-94-1	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	3-Nitroaniline	-	99-09-2	µg/L	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	-	-	-	10 R	10 UJ	-	-	-	-	-	-
SVOCs	4,6-Dinitro-2-Methylphenol	-	534-52-1	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	4-Bromophenyl Phenyl Ether	-	101-55-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	4-Chloro-3-Methylphenol	-	59-50-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	4-Chloroaniline	-	106-47-8	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	4-Chlorophenyl Phenyl Ether	-	7005-72-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	4-Methylphenol	-	106-44-5	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	4-Nitroaniline	-	100-01-6	µg/L	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	-	-	-	10 R	10 UJ	-	-	-	-	-	-
SVOCs	4-Nitrophenol	-	100-02-7	µg/L	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	-	-	-	10 R	10 UJ	-	-	-	-	-	-
SVOCs	Acenaphthene	-	83-32-9	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Acenaphthylene	-	208-96-8	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Acetophenone	-	98-86-2	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Anthracene	-	120-12-7	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Atrazine	-	1912-24-9	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Benzaldehyde	-	100-52-7	µg/L	10 U	10 U	10 U	1.2 J	10 U	10 U	10 U	-	-	-	2.4 J-	10 U	-	-	-	-	-	-
SVOCs	Benzo(a)Anthracene	-	56-55-3	µg/L	0.1 U	1.8 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Benzo(a)Pyrene	-	50-32-8	µg/L	0.1 U	1.7 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Benzo(b)Fluoranthene	-	205-99-2	µg/L	0.1 U	1.9 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Benzo(g,h,i)Perylene	-	191-24-2	µg/L	0.1 U	1.5 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Benzo(k)Fluoranthene	-	207-08-9	µg/L	0.1 U	1.8 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Benzyl Butyl Phthalate	-	85-68-7	µg/L	5 U	1.9 J	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Bis(2-Chloroethoxy)Methane	-	111-91-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Bis(2-Chloroethyl) Ether	-	111-44-4	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Bis(2-Ethylhexyl)Phthalate	-	117-81-7	µg/L	5 U	2.1 J	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Bis-Chloroisopropyl Ether	-	108-60-1	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Caprolactam	-	105-60-2	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Carbazole	-	86-74-8	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Chrysene	-	218-01-9	µg/L	0.1 U	1.9 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Dibenzo(a,h)Anthracene	-	53-70-3	µg/L	0.1 U	1.5 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Dibenzofuran	-	132-64-9	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Diethyl Phthalate	-	84-66-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Dimethyl Phthalate	-	131-11-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Di-n-Butylphthalate	-	84-74-2	µg/L	5 U	1.5 J	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Di-n-Octylphthalate	-	117-84-0	µg/L	10 U	2 J	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Fluoranthene	-	206-44-0	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Fluorene	-	86-73-7	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Hexachloro-1,3-Butadiene	-	87-68-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Hexachlorobenzene	-	118-74-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Hexachlorocyclopentadiene	-	77-47-4	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Hexachloroethane	-	67-72-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Indeno(1,2,3-cd)Pyrene	-	193-39-5	µg/L	0.1 U	1.5 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Isophorone	-	78-59-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Naphthalene	-	91-20-3	µg/L	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Nitrobenzene	-	98-95-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	N-Nitroso-Di-N-Propylamine	-	621-64-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	N-Nitrosodiphenylamine	-	86-30-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	5 R	5 U	-	-	-	-	-	-
SVOCs	Pentachlorophenol	-	87-86-5	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	-	-	-	0.2 R	0.2 U	-	-	-	-	-	-
SVOCs	Phenanthrene	-	85-01-8	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-
SVOCs	Phenol	-	108-95-2	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	10 R	10 U	-	-	-	-	-	-
SVOCs	Pyrene	-	129-00-0	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-	0.1 R	0.1 U	-	-	-	-	-	-

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					EB-01-SO-Y1 EB 8/15/2023	EB-02-SO-Y1 EB 8/16/2023	EB-03-SO-Y1 EB 8/18/2023	EB-04-SO-Y1 EB 8/22/2023	EB-05-SO-Y1 EB 8/24/2023	EB-06-SO-Y1 EB 8/28/2023	EB-07-SO-Y1 EB 8/29/2023	EB-08-SO-Y1 EB 9/5/2023	EB-09-SO-Y1 EB 9/8/2023	EB-10-SO-Y1 EB 9/11/2023	EB-11-SO-Y1 EB 9/12/2023	EB-12-SO-Y1 EB 9/20/2023	FB-01-SO-Y1 FB 8/28/2023	FB-02-SO-Y1 FB 8/29/2023	FB-04-SO-Y1 FB 9/8/2023	FB-05-SO-Y1 FB 9/11/2023	FB-06-SO-Y1 FB 9/12/2023	FB-07-SO-Y1 FB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	-	12674-11-2	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1221	-	11104-28-2	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1232	-	11141-16-5	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1242	-	53469-21-9	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1248	-	12672-29-6	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1254	-	11097-69-1	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1260	-	11096-82-5	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1262	-	37324-23-5	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Aroclors	Aroclor 1268	-	11100-14-4	µg/L	-	-	-	-	-	1 U	1 U	-	-	-	-	1 U	-	-	-	-	-	-
Pesticides	4,4'-DDD	-	72-54-8	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	4,4'-DDE	-	72-55-9	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	4,4'-DDT	-	50-29-3	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	Aldrin	-	309-00-2	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Alpha-BHC	-	319-84-6	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Beta-BHC	-	319-85-7	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	cis-Chlordane	-	5103-71-9	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Delta-BHC	-	319-86-8	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Dieldrin	-	60-57-1	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	Endosulfan I	-	959-98-8	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Endosulfan II	-	33213-65-9	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	Endosulfan Sulfate	-	1031-07-8	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	Endrin	-	72-20-8	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	Endrin Aldehyde	-	7421-93-4	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	Endrin Ketone	-	53494-70-5	µg/L	-	-	-	-	-	0.1 U	0.1 U	-	-	-	-	0.1 U	-	-	-	-	-	-
Pesticides	Gamma-BHC (Lindane)	-	58-89-9	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Heptachlor	-	76-44-8	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Heptachlor Epoxide	-	1024-57-3	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Pesticides	Methoxychlor	-	72-43-5	µg/L	-	-	-	-	-	0.5 U	0.5 U	-	-	-	-	0.5 U	-	-	-	-	-	-
Pesticides	Toxaphene	-	8001-35-2	µg/L	-	-	-	-	-	5 U	5 U	-	-	-	-	5 U	-	-	-	-	-	-
Pesticides	trans-Chlordane	-	5103-74-2	µg/L	-	-	-	-	-	0.05 U	0.05 U	-	-	-	-	0.05 U	-	-	-	-	-	-
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	-	1746-01-6	pg/l	-	-	-	-	-	2.09 UA	1.51 UA	2.26 UA	2.17 UA	2.21 UA	2.16 UA	2.11 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	-	40321-76-4	pg/l	-	-	-	-	-	2.97 UA	2.61 UA	2.24 UA	2.45 UA	2.63 UA	2.47 UA	2.86 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	-	39227-28-6	pg/l	-	-	-	-	-	3.23 UA	2.68 UA	2.68 UA	1.75 UA	2.45 UA	2.52 UA	2.7 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	-	57653-85-7	pg/l	-	-	-	-	-	3.32 UA	2.69 UA	2.61 UA	1.84 UA	2.24 UA	2.44 UA	2.53 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	-	19408-74-3	pg/l	-	-	-	-	-	3.15 UA	2.68 UA	2.79 UA	1.9 UA	2.24 UA	2.44 UA	2.68 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	-	35822-46-9	pg/l	-	-	-	-	-	2.75 UA	2.67 UA	2.93 UA	1.77 UA	1.85 UA	1.99 UA	2.29 UA	-	-	-	-	-	-
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	-	3268-87-9	pg/l	-	-	-	-	-	6.36 UA	5.94 UA	6.26 UA	4.67 UA	4.25 UA	4.05 UA	5.32 UA	-	-	-	-	-	-
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	-	51207-31-9	pg/l	-	-	-	-	-	1.62 UA	1.15 UA	1.2 UA	1.2 UA	1.26 UA	1.32 UA	1.39 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	-	57117-41-6	pg/l	-	-	-	-	-	1.94 UA	1.65 UA	1.69 UA	0.954 UA	1.48 UA	1.73 UA	1.55 UA	-	-	-	-	-	-
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	-	57117-31-4	pg/l	-	-	-	-	-	1.95 UA	1.62 UA	1.66 UA	0.936 UA	1.59 UA	1.82 UA	1.55 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	-	70648-26-9	pg/l	-	-	-	-	-	1.94 UA	1.95 UA	2.09 UA	1.43 UA	1.36 UA	1.36 UA	1.75 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	-	57117-44-9	pg/l	-	-	-	-	-	1.82 UA	1.7 UA	1.9 UA	1.15 UA	1.26 UA	1.32 UA	1.41 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	-	72918-21-9	pg/l	-	-	-	-	-	2.47 UA	2.7 UA	2.48 UA	1.85 UA	1.65 UA	1.84 UA	2.52 UA	-	-	-	-	-	-
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	-	60851-34-5	pg/l	-	-	-	-	-	1.99 UA	2 UA	1.97 UA	1.31 UA	1.43 UA	1.41 UA	1.7 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	-	67562-39-4	pg/l	-	-	-	-	-	1.45 UA	1.61 UA	1.99 UA	1.07 UA	1.21 UA	1.38 UA	1.34 UA	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	-	55673-89-7	pg/l	-	-	-	-	-	2.26 UA	2.17 UA	2.89 UA	1.55 UA	1.67 UA	1.99 UA	1.69 UA	-	-	-	-	-	-
Dioxin/Furans	Octachlorodibenzofuran	-	39001-02-0	pg/l	-	-	-	-	-	3.64 UA	4.24 UA	3.85 UA	3.68 UA	3.08 UA	3.11 UA	5.16 UA	-	-	-	-	-	-

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					EB-01-SO-Y1 EB 8/15/2023	EB-02-SO-Y1 EB 8/16/2023	EB-03-SO-Y1 EB 8/18/2023	EB-04-SO-Y1 EB 8/22/2023	EB-05-SO-Y1 EB 8/24/2023	EB-06-SO-Y1 EB 8/28/2023	EB-07-SO-Y1 EB 8/29/2023	EB-08-SO-Y1 EB 9/5/2023	EB-09-SO-Y1 EB 9/8/2023	EB-10-SO-Y1 EB 9/11/2023	EB-11-SO-Y1 EB 9/12/2023	EB-12-SO-Y1 EB 9/20/2023	FB-01-SO-Y1 FB 8/28/2023	FB-02-SO-Y1 FB 8/29/2023	FB-04-SO-Y1 FB 9/8/2023	FB-05-SO-Y1 FB 9/11/2023	FB-06-SO-Y1 FB 9/12/2023	FB-07-SO-Y1 FB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	ng/l	-	-	45.6 UJA	-	-	45.5 UJA	49.8 UA	45.8 UJA	51.2 UA	51.6 UA	50.3 UA	49.9 UA	46.6 UJA	52.6 UA	51.5 UA	50.8 UA	50.5 UA	50.6 UA
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorocarboxylic Acids	Perfluorooctanoic acid	PFOA	335-67-1	ng/l	-	-		-	-		-	-	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UJA	10.1 UJA	10.1 UA
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UJA	9.31 UJA	10.5 UA	10.3 UA	10.2 UJA	10.1 UJA	10.1 UA
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UJA	9.31 UJA	10.5 UA	10.3 UA	10.2 UJA	10.1 UJA	10.1 UA
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UJA	9.16 UJA	10.2 UA	10.3 UA	10.1 UJA	9.99 UJA	9.31 UJA	10.5 UA	10.3 UJA	10.2 UJA	10.1 UJA	10.1 UJA
Perfluorosulfonic Acids	Perfluorobutanesulfonic acid	PFBS	375-73-5	ng/l	-	-	45.6 UJA	-	-	45.5 UJA	49.8 UA	45.8 UJA	51.2 UA	51.6 UA	50.3 UA	49.9 UA	46.6 UJA	52.6 UA	51.5 UA	50.8 UA	50.5 UA	50.6 UA
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorosulfonic Acids	Perfluorohexanesulfonic acid	PFHxS	355-46-4	ng/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorosulfonic Acids	Perfluorooctanesulfonic acid	PFOS	1763-23-1	ng/l	-	-		-	-		-	-	-	-	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Perfluorosulfonic Acids	Sodium perfluorododecanesulfonate	PFDoS	1260224-54-1	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Fluorotelomer Carboxylic Acids	3-Perfluoropropyl propanoic acid	3:3 FTCA	356-02-05	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Fluorotelomer Carboxylic Acids	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Fluorotelomer Carboxylic Acids	3-Perfluoroheptyl propanoic acid	7:3 FTCA	812-70-4	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Precursors	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Precursors	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Precursors	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Precursors	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Replacement PFAS	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4	ng/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Replacement PFAS	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Replacement PFAS	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Replacement PFAS	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Replacement PFAS	Potassium perfluoro(2-ethoxyethane)sulfonate	PFEESA	117205-07-9	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Replacement PFAS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9	ng/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Replacement PFAS	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	756426-58-1	ng/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	FHUEA	70887-88-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	2H-Perfluoro-2-decenoic acid	FOUEA	70887-84-2	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115)	LiTFSI	90076-65-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UJA	9.99 UJA	9.31 UJA	10.5 UA	159 A	10.2 UJA	10.1 UJA	10.1 UJA
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	ng/l	-	-	9.13 UJA	-	-	9.1 UJA	9.97 UA	9.16 UJA	10.2 UA	10.3 UA	10.1 UA	9.99 UA	9.31 UJA	10.5 UA	10.3 UA	10.2 UA	10.1 UA	10.1 UA
Other PFAS	Pentafluoropropionic acid	PFPrA	422-64-0	ng/l	-	-	45.6 UJA	-	-	45.5 UJA	49.8 UA	45.8 UJA	51.2 UA	51.6 UA	50.3 UA	49.9 UA	46.6 UJA	52.6 UA	51.5 UA	50.8 UA	50.5 UA	50.6 UA

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					EB-01-SO-Y1 EB 8/15/2023	EB-02-SO-Y1 EB 8/16/2023	EB-03-SO-Y1 EB 8/18/2023	EB-04-SO-Y1 EB 8/22/2023	EB-05-SO-Y1 EB 8/24/2023	EB-06-SO-Y1 EB 8/28/2023	EB-07-SO-Y1 EB 8/29/2023	EB-08-SO-Y1 EB 9/5/2023	EB-09-SO-Y1 EB 9/8/2023	EB-10-SO-Y1 EB 9/11/2023	EB-11-SO-Y1 EB 9/12/2023	EB-12-SO-Y1 EB 9/20/2023	FB-01-SO-Y1 FB 8/28/2023	FB-02-SO-Y1 FB 8/29/2023	FB-04-SO-Y1 FB 9/8/2023	FB-05-SO-Y1 FB 9/11/2023	FB-06-SO-Y1 FB 9/12/2023	FB-07-SO-Y1 FB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	-	7429-90-5	µg/L	28	50	49	16 J	13 J	21	49	240	19 J	20 U	20 U	11 J	-	-	-	-	-	-
Inorganics	Antimony	-	7440-36-0	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-	-	-	-	-	-
Inorganics	Arsenic	-	7440-38-2	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-
Inorganics	Barium	-	7440-39-3	µg/L	0.76 J	0.92 J	1.9 J	10 U	10 U	10 U	1.2 J	1.6 J	10 U	10 U	10 U	10 U	-	-	-	-	-	-
Inorganics	Beryllium	-	7440-41-7	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-
Inorganics	Cadmium	-	7440-43-9	µg/L	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	-	-	-	-	-	-
Inorganics	Calcium	-	7440-70-2	µg/L	450 J-	1900 J-	5800 J-	1100	480 J	480 J	2600	710	390 J	260 J	270 J	68 J	-	-	-	-	-	-
Inorganics	Chromium	-	7440-47-3	µg/L	1 J	1.3 J	1.5 J	0.38 J	0.32 J	0.95 J	1.2 J	1.5 J	0.25 J	0.19 J	0.37 J	2 U	-	-	-	-	-	-
Inorganics	Cobalt	-	7440-48-4	µg/L	0.06 J	0.27 J	0.15 J	1 U	0.17 J	0.07 J	0.48 J	0.15 J	1 U	1 U	1 U	1 U	-	-	-	-	-	-
Inorganics	Copper	-	7440-50-8	µg/L	2 U	1.2 J	2 U	2 U	2 U	2 U	4.5	2 U	2 U	2 U	2 U	2 U	-	-	-	-	-	-
Inorganics	Cyanide	-	57-12-5	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	-	-	-	-	-
Inorganics	Hardness	-	HARDNESS	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inorganics	Iron	-	7439-89-6	µg/L	200	200	260	110 J	180 J	480	2400	350	37 J	40 J	130 J	200 U	-	-	-	-	-	-
Inorganics	Lead	-	7439-92-1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-
Inorganics	Magnesium	-	7439-95-4	µg/L	130 J	280 J	1600	94 J	57 J	74 J	210 J	110 J	34 J	500 U	45 J	500 U	-	-	-	-	-	-
Inorganics	Manganese	-	7439-96-5	µg/L	7.5	17	17	2.9 J+	3.7 J+	13 J+	54 J+	18 J+	1 J+	1.9 J+	5	1.6	-	-	-	-	-	-
Inorganics	Mercury	-	7439-97-6	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.09 J	-	-	-	-	-	-
Inorganics	Nickel	-	7440-02-0	µg/L	0.61 J	0.72 J	0.55 J	0.11 J	0.13 J	0.46 J-	1.7 J-	0.49 J	1 U	1 U	0.21 J	1 U	-	-	-	-	-	-
Inorganics	Potassium	-	7440-09-7	µg/L	49 J	68 J	100 J	500 U	500 U	27 J	54 J	79 J	500 U	500 U	32 J	500 U	-	-	-	-	-	-
Inorganics	Selenium	-	7782-49-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-	-	-	-	-	-
Inorganics	Silver	-	7440-22-4	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-
Inorganics	Sodium	-	7440-23-5	µg/L	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	-	-	-	-	-	-
Inorganics	Thallium	-	7440-28-0	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-	-	-	-	-	-
Inorganics	Vanadium	-	7440-62-2	µg/L	5 U	0.48 J	0.21 J	5 U	5 U	5 U	0.29 J	0.64 J	5 U	5 U	5 U	5 U	-	-	-	-	-	-
Inorganics	Zinc	-	7440-66-6	µg/L	5.6 J+	7.1 J+	8 J+	5 U	5 U	5 J+	9.6 J+	5 U	5 U	5 U	0.72 J-	1.1 J	-	-	-	-	-	-

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					TB-01-SO-Y1 TB 8/15/2023	TB-02-SO-Y1 TB 8/16/2023	TB-03-SO-Y1 TB 8/18/2023	TB-04-SO-Y1 TB 8/22/2023	TB-05-SO-Y1 TB 8/24/2023	TB-06-SO-Y1 TB 8/28/2023	TB-07-SO-Y1 TB 8/29/2023	TB-12-SO-Y1 TB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	-	71-55-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,1,2,2-Tetrachloroethane	-	79-34-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,1,2-Trichloroethane	-	79-00-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,1,2-Trichlorotrifluoroethane	-	76-13-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,1-Dichloroethane	-	75-34-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,1-Dichloroethene	-	75-35-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2,3-Trichlorobenzene	-	87-61-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2,3-Trichloropropane	-	96-18-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2,4-Trichlorobenzene	-	120-82-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2,4-Trimethylbenzene	-	95-63-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2-Dibromo-3-Chloropropane	-	96-12-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2-Dibromoethane	-	106-93-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2-Dichlorobenzene	-	95-50-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2-Dichloroethane	-	107-06-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,2-Dichloropropane	-	78-87-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,3,5-Trimethylbenzene	-	108-67-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,3-Dichlorobenzene	-	541-73-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	1,4-Dichlorobenzene	-	106-46-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	2-Butanone (MEK)	-	78-93-3	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
VOCs	2-Hexanone	-	591-78-6	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
VOCs	4-Methyl-2-Pentanone (MIBK)	-	108-10-1	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
VOCs	Acetone	-	67-64-1	µg/L	8.4 J	8.2 J	8.1 J	8.3 J	7.6 J	7.3 J	7.2 J	9.7 J
VOCs	Benzene	-	71-43-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Bromochloromethane	-	74-97-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Bromodichloromethane	-	75-27-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Bromoform	-	75-25-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Bromomethane	-	74-83-9	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Carbon Disulfide	-	75-15-0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Carbon Tetrachloride	-	56-23-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Chlorobenzene	-	108-90-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Chloroethane	-	75-00-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Chloroform	-	67-66-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Chloromethane	-	74-87-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	cis-1,2-Dichloroethene	-	156-59-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	cis-1,3-Dichloropropene	-	10061-01-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Cyclohexane	-	110-82-7	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Dibromochloromethane	-	124-48-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Dichlorodifluoromethane	-	75-71-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Ethylbenzene	-	100-41-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Isopropylbenzene	-	98-82-8	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	m,p-Xylene	-	179601-23-1	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Methyl Acetate	-	79-20-9	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Methyl Tert-Butyl Ether	-	1634-04-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Methylcylohexane	-	108-87-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Methylene Chloride	-	75-09-2	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	o-Xylene	-	95-47-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Styrene	-	100-42-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Tetrachloroethene	-	127-18-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Toluene	-	108-88-3	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	trans-1,2-Dichloroethene	-	156-60-5	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	trans-1,3-Dichloropropene	-	10061-02-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Trichloroethene	-	79-01-6	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Trichlorofluoromethane	-	75-69-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VOCs	Vinyl Chloride	-	75-01-4	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					TB-01-SO-Y1 TB 8/15/2023	TB-02-SO-Y1 TB 8/16/2023	TB-03-SO-Y1 TB 8/18/2023	TB-04-SO-Y1 TB 8/22/2023	TB-05-SO-Y1 TB 8/24/2023	TB-06-SO-Y1 TB 8/28/2023	TB-07-SO-Y1 TB 8/29/2023	TB-12-SO-Y1 TB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	-	92-52-4	µg/L	-	-	-	-	-	-	-	-
SVOCs	1,2,4,5-Tetrachlorobenzene	-	95-94-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	1,4-Dioxane	-	123-91-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	1-Methylnaphthalene	-	90-12-0	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,3,4,6-Tetrachlorophenol	-	58-90-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,4,5-Trichlorophenol	-	95-95-4	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,4,6-Trichlorophenol	-	88-06-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,4-Dichlorophenol	-	120-83-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,4-Dimethylphenol	-	105-67-9	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,4-Dinitrophenol	-	51-28-5	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,4-Dinitrotoluene	-	121-14-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	2,6-Dinitrotoluene	-	606-20-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	2-Chloronaphthalene	-	91-58-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	2-Chlorophenol	-	95-57-8	µg/L	-	-	-	-	-	-	-	-
SVOCs	2-Methylnaphthalene	-	91-57-6	µg/L	-	-	-	-	-	-	-	-
SVOCs	2-Methylphenol	-	95-48-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	2-Nitroaniline	-	88-74-4	µg/L	-	-	-	-	-	-	-	-
SVOCs	2-Nitrophenol	-	88-75-5	µg/L	-	-	-	-	-	-	-	-
SVOCs	3,3'-Dichlorobenzidine	-	91-94-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	3-Nitroaniline	-	99-09-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	4,6-Dinitro-2-Methylphenol	-	534-52-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	4-Bromophenyl Phenyl Ether	-	101-55-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	4-Chloro-3-Methylphenol	-	59-50-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	4-Chloroaniline	-	106-47-8	µg/L	-	-	-	-	-	-	-	-
SVOCs	4-Chlorophenyl Phenyl Ether	-	7005-72-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	4-Methylphenol	-	106-44-5	µg/L	-	-	-	-	-	-	-	-
SVOCs	4-Nitroaniline	-	100-01-6	µg/L	-	-	-	-	-	-	-	-
SVOCs	4-Nitrophenol	-	100-02-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	Acenaphthene	-	83-32-9	µg/L	-	-	-	-	-	-	-	-
SVOCs	Acenaphthylene	-	208-96-8	µg/L	-	-	-	-	-	-	-	-
SVOCs	Acetophenone	-	98-86-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	Anthracene	-	120-12-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	Atrazine	-	1912-24-9	µg/L	-	-	-	-	-	-	-	-
SVOCs	Benzaldehyde	-	100-52-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	Benzo(a)Anthracene	-	56-55-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	Benzo(a)Pyrene	-	50-32-8	µg/L	-	-	-	-	-	-	-	-
SVOCs	Benzo(b)Fluoranthene	-	205-99-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	Benzo(g,h,i)Perylene	-	191-24-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	Benzo(k)Fluoranthene	-	207-08-9	µg/L	-	-	-	-	-	-	-	-
SVOCs	Benzyl Butyl Phthalate	-	85-68-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	Bis(2-Chloroethoxy)Methane	-	111-91-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	Bis(2-Chloroethyl) Ether	-	111-44-4	µg/L	-	-	-	-	-	-	-	-
SVOCs	Bis(2-Ethylhexyl)Phthalate	-	117-81-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	Bis-Chloroisopropyl Ether	-	108-60-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	Caprolactam	-	105-60-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	Carbazole	-	86-74-8	µg/L	-	-	-	-	-	-	-	-
SVOCs	Chrysene	-	218-01-9	µg/L	-	-	-	-	-	-	-	-
SVOCs	Dibenzo(a,h)Anthracene	-	53-70-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	Dibenzofuran	-	132-64-9	µg/L	-	-	-	-	-	-	-	-
SVOCs	Diethyl Phthalate	-	84-66-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	Dimethyl Phthalate	-	131-11-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	Di-n-Butylphthalate	-	84-74-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	Di-n-Octylphthalate	-	117-84-0	µg/L	-	-	-	-	-	-	-	-
SVOCs	Fluoranthene	-	206-44-0	µg/L	-	-	-	-	-	-	-	-
SVOCs	Fluorene	-	86-73-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	Hexachloro-1,3-Butadiene	-	87-68-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	Hexachlorobenzene	-	118-74-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	Hexachlorocyclopentadiene	-	77-47-4	µg/L	-	-	-	-	-	-	-	-
SVOCs	Hexachloroethane	-	67-72-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	Indeno(1,2,3-cd)Pyrene	-	193-39-5	µg/L	-	-	-	-	-	-	-	-
SVOCs	Isophorone	-	78-59-1	µg/L	-	-	-	-	-	-	-	-
SVOCs	Naphthalene	-	91-20-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	Nitrobenzene	-	98-95-3	µg/L	-	-	-	-	-	-	-	-
SVOCs	N-Nitroso-Di-N-Propylamine	-	621-64-7	µg/L	-	-	-	-	-	-	-	-
SVOCs	N-Nitrosodiphenylamine	-	86-30-6	µg/L	-	-	-	-	-	-	-	-
SVOCs	Pentachlorophenol	-	87-86-5	µg/L	-	-	-	-	-	-	-	-
SVOCs	Phenanthrene	-	85-01-8	µg/L	-	-	-	-	-	-	-	-
SVOCs	Phenol	-	108-95-2	µg/L	-	-	-	-	-	-	-	-
SVOCs	Pyrene	-	129-00-0	µg/L	-	-	-	-	-	-	-	-

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					TB-01-SO-Y1 TB 8/15/2023	TB-02-SO-Y1 TB 8/16/2023	TB-03-SO-Y1 TB 8/18/2023	TB-04-SO-Y1 TB 8/22/2023	TB-05-SO-Y1 TB 8/24/2023	TB-06-SO-Y1 TB 8/28/2023	TB-07-SO-Y1 TB 8/29/2023	TB-12-SO-Y1 TB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	-	12674-11-2	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1221	-	11104-28-2	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1232	-	11141-16-5	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1242	-	53469-21-9	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1248	-	12672-29-6	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1254	-	11097-69-1	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1260	-	11096-82-5	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1262	-	37324-23-5	µg/L	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1268	-	11100-14-4	µg/L	-	-	-	-	-	-	-	-
Pesticides	4,4'-DDD	-	72-54-8	µg/L	-	-	-	-	-	-	-	-
Pesticides	4,4'-DDE	-	72-55-9	µg/L	-	-	-	-	-	-	-	-
Pesticides	4,4'-DDT	-	50-29-3	µg/L	-	-	-	-	-	-	-	-
Pesticides	Aldrin	-	309-00-2	µg/L	-	-	-	-	-	-	-	-
Pesticides	Alpha-BHC	-	319-84-6	µg/L	-	-	-	-	-	-	-	-
Pesticides	Beta-BHC	-	319-85-7	µg/L	-	-	-	-	-	-	-	-
Pesticides	cis-Chlordane	-	5103-71-9	µg/L	-	-	-	-	-	-	-	-
Pesticides	Delta-BHC	-	319-86-8	µg/L	-	-	-	-	-	-	-	-
Pesticides	Dieldrin	-	60-57-1	µg/L	-	-	-	-	-	-	-	-
Pesticides	Endosulfan I	-	959-98-8	µg/L	-	-	-	-	-	-	-	-
Pesticides	Endosulfan II	-	33213-65-9	µg/L	-	-	-	-	-	-	-	-
Pesticides	Endosulfan Sulfate	-	1031-07-8	µg/L	-	-	-	-	-	-	-	-
Pesticides	Endrin	-	72-20-8	µg/L	-	-	-	-	-	-	-	-
Pesticides	Endrin Aldehyde	-	7421-93-4	µg/L	-	-	-	-	-	-	-	-
Pesticides	Endrin Ketone	-	53494-70-5	µg/L	-	-	-	-	-	-	-	-
Pesticides	Gamma-BHC (Lindane)	-	58-89-9	µg/L	-	-	-	-	-	-	-	-
Pesticides	Heptachlor	-	76-44-8	µg/L	-	-	-	-	-	-	-	-
Pesticides	Heptachlor Epoxide	-	1024-57-3	µg/L	-	-	-	-	-	-	-	-
Pesticides	Methoxychlor	-	72-43-5	µg/L	-	-	-	-	-	-	-	-
Pesticides	Toxaphene	-	8001-35-2	µg/L	-	-	-	-	-	-	-	-
Pesticides	trans-Chlordane	-	5103-74-2	µg/L	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	-	1746-01-6	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	-	40321-76-4	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	-	39227-28-6	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	-	57653-85-7	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	-	19408-74-3	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	-	35822-46-9	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	-	3268-87-9	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	-	51207-31-9	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	-	57117-41-6	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	-	57117-31-4	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	-	70648-26-9	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	-	57117-44-9	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	-	72918-21-9	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	-	60851-34-5	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	-	67562-39-4	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	-	55673-89-7	pg/l	-	-	-	-	-	-	-	-
Dioxin/Furans	Octachlorodibenzofuran	-	39001-02-0	pg/l	-	-	-	-	-	-	-	-

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					TB-01-SO-Y1 TB 8/15/2023	TB-02-SO-Y1 TB 8/16/2023	TB-03-SO-Y1 TB 8/18/2023	TB-04-SO-Y1 TB 8/22/2023	TB-05-SO-Y1 TB 8/24/2023	TB-06-SO-Y1 TB 8/28/2023	TB-07-SO-Y1 TB 8/29/2023	TB-12-SO-Y1 TB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorooctanoic acid	PFOA	335-67-1	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	ng/l	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	Perfluorobutanesulfonic acid	PFBS	375-73-5	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	Perfluorohexanesulfonic acid	PFHxS	355-46-4	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	Perfluorooctanesulfonic acid	PFOS	1763-23-1	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	ng/l	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	Sodium perfluorododecanesulfonate	PFDoS	1260224-54-1	ng/l	-	-	-	-	-	-	-	-
Fluorotelomer Carboxylic Acids	3-Perfluoropropyl propanoic acid	3:3 FTCA	356-02-05	ng/l	-	-	-	-	-	-	-	-
Fluorotelomer Carboxylic Acids	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	ng/l	-	-	-	-	-	-	-	-
Fluorotelomer Carboxylic Acids	3-Perfluoroheptyl propanoic acid	7:3 FTCA	812-70-4	ng/l	-	-	-	-	-	-	-	-
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	ng/l	-	-	-	-	-	-	-	-
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	ng/l	-	-	-	-	-	-	-	-
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	ng/l	-	-	-	-	-	-	-	-
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	ng/l	-	-	-	-	-	-	-	-
Precursors	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8	ng/l	-	-	-	-	-	-	-	-
Precursors	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2	ng/l	-	-	-	-	-	-	-	-
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	ng/l	-	-	-	-	-	-	-	-
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	ng/l	-	-	-	-	-	-	-	-
Precursors	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	ng/l	-	-	-	-	-	-	-	-
Precursors	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	Potassium perfluoro(2-ethoxyethane)sulfonate	PFEESA	117205-07-9	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	9Cl-PF3ONS	756426-58-1	ng/l	-	-	-	-	-	-	-	-
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	ng/l	-	-	-	-	-	-	-	-
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	ng/l	-	-	-	-	-	-	-	-
Other PFAS	3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	FHUEA	70887-88-6	ng/l	-	-	-	-	-	-	-	-
Other PFAS	2H-Perfluoro-2-decenoic acid	FOUEA	70887-84-2	ng/l	-	-	-	-	-	-	-	-
Other PFAS	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115)	LiTFSI	90076-65-6	ng/l	-	-	-	-	-	-	-	-
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	ng/l	-	-	-	-	-	-	-	-
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	ng/l	-	-	-	-	-	-	-	-
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	ng/l	-	-	-	-	-	-	-	-
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	ng/l	-	-	-	-	-	-	-	-
Other PFAS	Pentafluoropropionic acid	PFPrA	422-64-0	ng/l	-	-	-	-	-	-	-	-

Year 1 Quality Control Sample Results

Sample # Sample Type Sample Date					TB-01-SO-Y1 TB 8/15/2023	TB-02-SO-Y1 TB 8/16/2023	TB-03-SO-Y1 TB 8/18/2023	TB-04-SO-Y1 TB 8/22/2023	TB-05-SO-Y1 TB 8/24/2023	TB-06-SO-Y1 TB 8/28/2023	TB-07-SO-Y1 TB 8/29/2023	TB-12-SO-Y1 TB 9/20/2023
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	-	7429-90-5	µg/L	-	-	-	-	-	-	-	-
Inorganics	Antimony	-	7440-36-0	µg/L	-	-	-	-	-	-	-	-
Inorganics	Arsenic	-	7440-38-2	µg/L	-	-	-	-	-	-	-	-
Inorganics	Barium	-	7440-39-3	µg/L	-	-	-	-	-	-	-	-
Inorganics	Beryllium	-	7440-41-7	µg/L	-	-	-	-	-	-	-	-
Inorganics	Cadmium	-	7440-43-9	µg/L	-	-	-	-	-	-	-	-
Inorganics	Calcium	-	7440-70-2	µg/L	-	-	-	-	-	-	-	-
Inorganics	Chromium	-	7440-47-3	µg/L	-	-	-	-	-	-	-	-
Inorganics	Cobalt	-	7440-48-4	µg/L	-	-	-	-	-	-	-	-
Inorganics	Copper	-	7440-50-8	µg/L	-	-	-	-	-	-	-	-
Inorganics	Cyanide	-	57-12-5	µg/L	-	-	-	-	-	-	-	-
Inorganics	Hardness	-	HARDNESS	mg/l	-	-	-	-	-	-	-	-
Inorganics	Iron	-	7439-89-6	µg/L	-	-	-	-	-	-	-	-
Inorganics	Lead	-	7439-92-1	µg/L	-	-	-	-	-	-	-	-
Inorganics	Magnesium	-	7439-95-4	µg/L	-	-	-	-	-	-	-	-
Inorganics	Manganese	-	7439-96-5	µg/L	-	-	-	-	-	-	-	-
Inorganics	Mercury	-	7439-97-6	µg/L	-	-	-	-	-	-	-	-
Inorganics	Nickel	-	7440-02-0	µg/L	-	-	-	-	-	-	-	-
Inorganics	Potassium	-	7440-09-7	µg/L	-	-	-	-	-	-	-	-
Inorganics	Selenium	-	7782-49-2	µg/L	-	-	-	-	-	-	-	-
Inorganics	Silver	-	7440-22-4	µg/L	-	-	-	-	-	-	-	-
Inorganics	Sodium	-	7440-23-5	µg/L	-	-	-	-	-	-	-	-
Inorganics	Thallium	-	7440-28-0	µg/L	-	-	-	-	-	-	-	-
Inorganics	Vanadium	-	7440-62-2	µg/L	-	-	-	-	-	-	-	-
Inorganics	Zinc	-	7440-66-6	µg/L	-	-	-	-	-	-	-	-

Acronyms:

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Attachment B-2

Year 2 Analytical Data Tables

CDM Smith

Table I - Year 2 PCB Aroclor Analytical Data Table

					Location	RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-45	RI-SB-45	RI-SB-46	RI-SB-46	RI-SB-47	RI-SB-47	RI-SB-48	RI-SB-48	RI-SB-49	RI-SB-49	RI-SB-49
					Sample #	RI-SB-43 (0-0.5)	RI-SB-43 (1-2)	RI-SB-44 (0-0.5)	RI-SB-44 (1-2)	RI-SB-45 (0-0.5)	RI-SB-45 (1-2)	RI-SB-46 (0-0.5)	RI-SB-46 (1-2)	RI-SB-47 (0-0.5)	RI-SB-47 (1-2)	RI-SB-48 (0-0.5)	RI-SB-48 (1-2)	RI-SB-49 (0-0.5)	RI-SB-49 (1-2)	RI-SB-49A (0-0.5)
					Start Depth	0	1	0	1	0	1	0	4	0	1	0	1	0	1	0
					End Depth	0.5	2	0.5	2	0.5	2	0.5	5	0.5	2	0.5	2	0.5	2	0.5
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
					Parent Sample #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-49 (0-0.5)
					Sample Date	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	6/2/2025	6/2/2025	6/2/2025
Method	Analyte	CAS #	Soil PAL	Units		Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg		36 U	37 U	37 U	35 U	35 U	37 U	36 U	36 U	34 U	38 U	35 U	36 U	35 U	37 U	35 U
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg		36 U	37 U	37 U	35 U	35 U	37 U	36 U	36 U	34 U	38 U	35 U	36 U	35 U	37 U	35 U
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg		36 U	37 U	37 U	35 U	35 U	37 U	36 U	36 U	34 U	38 U	35 U	36 U	35 U	37 U	35 U
Aroclors	Aroclor 1242	53469-21-9	24	µg/kg		36 U	37 U	37 U	35 U	35 U	37 U	36 U	36 U	34 U	38 U	35 U	36 U	35 U	37 U	35 U
Aroclors	Aroclor 1248	12672-29-6	**24**	µg/kg		9.4 J	37 U	**300**	**120**	35 U	18 J	**79**	36 U	34 U	38 U	**50**	7.1 J	35 U	37 U	35 U
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg		36 U	37 U	37 U	35 U	**420**	37 U	36 U	36 U	34 U	38 U	35 U	36 U	35 U	37 U	35 U
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg		9.5 J	37 U	**290 J+**	35 U	35 U	6.8 J	**170 J+**	44 J+	**900 J+**	38 U	71	8.5 J	75	7.8 J	83
Aroclors	Aroclor 1262	37324-23-5	**110**	µg/kg		36 U	37 U	37 U	35 U	35 U	37 U	36 U	36 U	34 U	37 J	35 U	36 U	35 U	37 U	35 U
Aroclors	Aroclor 1268	11100-14-4	110	µg/kg		36 U	37 U	37 U	35 U	35 U	37 U	36 U	36 U	34 U	38 U	35 U	36 U	35 U	37 U	35 U
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg		18.9 J	37 U	590 J+	120	420	24.8 J	249 J+	44 J+	900 J+	37 J	121	15.6 J	75	7.8 J	83
Aroclor Calcs	Total Aroclors (ND=0.5*RDL)	TAROND05	-	µg/kg		144.9 J	37 U	719.5 J+	260	560	154.3 J	375 J+	188 J+	1036 J+	189 J	243.5	141.6 J	215	155.8 J	223

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

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U - Not Detected

Table I - Year 2 PCB Aroclor Analytical Data Table

Location					RI-SB-50	RI-SB-50	RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52	RI-SB-53	RI-SB-53	RI-SB-54	RI-SB-54	RI-SB-55	RI-SB-55	RI-SB-56	RI-SB-56	RI-SB-57	RI-SB-57
Sample #					RI-SB-50 (0-0.5)	RI-SB-50 (1-2)	RI-SB-51 (0-0.5)	RI-SB-51 (1-2)	RI-SB-52 (0-0.5)	RI-SB-52 (1-2)	RI-SB-53 (0-0.5)	RI-SB-53 (1-2)	RI-SB-54 (0-0.5)	RI-SB-54 (1-2)	RI-SB-55 (0-0.5)	RI-SB-55 (1-2)	RI-SB-56 (0-0.5)	RI-SB-56 (1-2)	RI-SB-57 (0-0.5)	RI-SB-57 (1-2)
Start Depth					0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
End Depth					0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/2/2025	6/2/2025	5/30/2025	5/30/2025	5/22/2025	5/22/2025	6/2/2025	6/2/2025	5/21/2025	5/21/2025	6/3/2025	6/3/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg	38 U	36 U	35 U	36 U	40 U	36 U	35 U	36 U	37 U	37 U	36 U	37 U	36 U	38 U	34 U	37 U
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg	38 U	36 U	35 U	36 U	40 U	36 U	35 U	36 U	37 U	37 UJ	36 U	37 U	36 U	38 U	34 U	37 U
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg	38 U	36 U	35 U	36 U	40 U	36 U	35 U	36 U	37 U	37 UJ	36 U	37 U	36 U	38 U	34 U	37 U
Aroclors	Aroclor 1242	53469-21-9	24	µg/kg	38 U	36 U	35 U	36 U	40 U	36 U	35 U	36 U	37 U	37 UJ	36 U	37 U	36 U	38 U	34 U	37 U
Aroclors	Aroclor 1248	12672-29-6	**24**	µg/kg	38 U	16 J	35 U	36 U	40 U	**340**	35 U	36 U	37 U	37 UJ	36 U	37 U	36 U	38 U	34 U	37 U
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg	38 U	36 U	35 U	36 U	40 U	36 U	35 U	36 U	37 U	37 UJ	36 U	37 U	36 U	38 U	34 U	37 U
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg	4.9 J	6.3 J	**110**	**140 J**	60	**170**	35 U	6.3 J	**420**	**210 J**	44	69	**170 J+**	38 U	90	42 J
Aroclors	Aroclor 1262	37324-23-5	**110**	µg/kg	38 U	36 U	35 U	36 U	40 U	36 U	**270**	36 U	37 U	37 UJ	36 U	37 U	36 U	98	34 U	37 U
Aroclors	Aroclor 1268	11100-14-4	110	µg/kg	38 U	36 U	35 U	36 U	40 U	36 U	35 U	36 U	37 U	37 UJ	36 U	37 U	36 U	38 U	34 U	37 U
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg	4.9 J	22.3 J	110	140 J	60	510	270	6.3 J	420	210 J	44	69	170 J+	98	90	42 J
Aroclor Calcs	Total Aroclors (ND=0.5*RDL)	TAROND05	-	µg/kg	156.9 J	148.3 J	250	284 J	220	636	410	150.3 J	568	358 J	188	217	314 J+	250	226	190 J

Notes:

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U - Not Detected

Table I - Year 2 PCB Aroclor Analytical Data Table

Location					RI-SB-58	RI-SB-58	RI-SB-59	RI-SB-59	RI-SB-61	RI-SB-61	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-64	RI-SB-65	RI-SB-65	RI-SB-66	RI-SB-66	RI-SB-66
Sample #					RI-SB-58 (0-0.5)	RI-SB-58 (1-2)	RI-SB-59 (0-0.5)	RI-SB-59 (1-2)	RI-SB-61 (0-0.5)	RI-SB-61 (1-2)	RI-SB-63 (0-0.5)	RI-SB-63 (1-2)	RI-SB-63A (1-2)	RI-SB-64 (0-0.5)	RI-SB-64 (1-2)	RI-SB-65 (0-0.5)	RI-SB-65 (1-2)	RI-SB-66 (0-0.5)	RI-SB-66 (1-2)	RI-SB-66A (0-0.5)
Start Depth					0	1	0	1	0	1	0	1	1	0	1	0	1	0	1	0
End Depth					0.5	2	0.5	2	0.5	2	0.5	2	2	0.5	2	0.5	2	0.5	2	0.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Parent Sample #					-	-	-	-	-	-	-	-	RI-SB-63 (1-2)	-	-	-	-	-	-	RI-SB-66 (0-0.5)
Sample Date					6/5/2025	6/5/2025	6/3/2025	6/3/2025	6/6/2025	6/6/2025	5/22/2025	5/22/2025	5/22/2025	6/10/2025	6/10/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg	37 U	37 U	36 U	36 U	40 U	38 U	37 U	39 U	40 U	37 U	39 U	37 U	39 U	37 U	39 U	37 U
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg	37 U	37 U	36 U	36 U	40 U	38 U	37 U	39 U	40 U	37 U	39 U	37 U	39 U	37 U	39 U	37 U
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg	37 U	37 U	36 U	36 U	40 U	38 U	37 U	39 U	40 U	37 U	39 U	37 U	39 U	37 U	39 U	37 U
Aroclors	Aroclor 1242	53469-21-9	24	µg/kg	37 U	37 U	36 U	36 U	40 U	38 U	37 U	39 U	40 U	37 U	39 U	37 U	39 U	37 U	39 U	37 U
Aroclors	Aroclor 1248	12672-29-6	**24**	µg/kg	**90 J**	37 U	36 U	6.2 J	16 J	**54**	37 U	39 U	40 U	37 U	39 U	37 U	39 U	37 U	**78**	37 U
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg	37 U	37 U	36 U	36 U	40 U	38 U	**84**	**46**	39 J	37 U	39 U	37 U	39 U	37 U	39 U	37 U
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg	67 J	**300 J**	59	8.7 J	13 J	64	37 U	39 U	40 U	100	39 U	37 U	39 U	83	**110**	**110**
Aroclors	Aroclor 1262	37324-23-5	**110**	µg/kg	37 U	37 U	36 U	36 U	40 U	38 U	37 U	39 U	40 U	37 U	13 J	29 J	12 J	37 U	39 U	37 U
Aroclors	Aroclor 1268	11100-14-4	110	µg/kg	37 U	37 U	36 U	36 U	40 U	38 U	37 U	39 U	40 U	37 U	39 U	37 U	39 U	37 U	39 U	37 U
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg	157 J	300 J	59	14.9 J	29 J	118	84	46	39 J	100	13 J	29 J	12 J	83	188	110
Aroclor Calcs	Total Aroclors (ND=0.5*RDL)	TAROND05	-	µg/kg	286.5 J	448 J	203	140.9 J	169 J	251	232	202	199 J	248	169 J	177 J	168 J	231	324.5	258

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
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Table I - Year 2 PCB Aroclor Analytical Data Table

Location					RI-SB-67	RI-SB-67	RI-SB-68	RI-SB-68	RI-SB-69	RI-SB-69	RI-SB-70	RI-SB-70	RI-SB-71	RI-SB-71	RI-SB-72	RI-SB-72	RI-SB-73	RI-SB-73	RI-SB-74	RI-SB-74	RI-SB-75
Sample #					RI-SB-67 (0-0.5)	RI-SB-67 (3-3.5)	RI-SB-68 (0-0.5)	RI-SB-68 (2-3)	RI-SB-69 (0-0.5)	RI-SB-69 (1-2)	RI-SB-70 (0-0.5)	RI-SB-70 (1-2)	RI-SB-71 (0-0.5)	RI-SB-71 (1-2)	RI-SB-72 (0-0.5)	RI-SB-72 (1-2)	RI-SB-73 (0-0.5)	RI-SB-73 (1-2)	RI-SB-74 (0-0.5)	RI-SB-74 (1-2)	RI-SB-75 (4-5)
Start Depth					0	3	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1
End Depth					0.5	3.5	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/4/2025	6/4/2025	6/9/2025	6/9/2025	6/4/2025	6/4/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/5/2025	6/5/2025	5/27/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	12674-11-2	260	µg/kg	37 U	37 U	40 U	39 U	35 U	34 U	40 U	38 U	36 U	37 U	37 U	37 U	36 U	38 U	38 U	38 U	40 UJ
Aroclors	Aroclor 1221	11104-28-2	1.6	µg/kg	37 U	37 U	40 U	39 U	35 U	34 U	40 U	38 U	36 U	37 U	37 U	37 U	36 U	38 U	38 U	38 U	40 UJ
Aroclors	Aroclor 1232	11141-16-5	1.6	µg/kg	37 U	37 U	40 U	39 U	35 U	34 U	40 U	38 U	36 U	37 U	37 U	37 U	36 U	38 U	38 U	38 U	40 UJ
Aroclors	Aroclor 1242	53469-21-9	24	µg/kg	37 U	37 U	40 U	39 U	35 U	34 U	40 U	38 U	36 U	37 U	37 U	37 U	36 U	38 U	38 U	38 U	40 UJ
Aroclors	Aroclor 1248	12672-29-6	**24**	µg/kg	**61**	37 U	40 U	**160**	10 J	**180**	40 U	**24 J**	36 U	37 U	37 U	**200**	36 U	38 U	**39**	**25 J**	40 UJ
Aroclors	Aroclor 1254	11097-69-1	**40**	µg/kg	37 U	37 U	40 U	39 U	35 U	34 U	40 U	38 U	36 U	37 U	37 U	37 U	36 U	38 U	38 U	38 U	40 UJ
Aroclors	Aroclor 1260	11096-82-5	**110**	µg/kg	**120**	37 U	**350**	39 U	6 J	24 J	40 U	21 J	36 U	9.8 J	37 U	**200**	4.4 J	17 J	16 J	9.7 J	40 U
Aroclors	Aroclor 1262	37324-23-5	**110**	µg/kg	37 U	37 U	40 U	100	35 U	34 U	42	38 U	22 J	37 U	17 J	37 U	36 U	38 U	38 U	38 U	40 UJ
Aroclors	Aroclor 1268	11100-14-4	110	µg/kg	37 U	37 U	40 U	39 U	35 U	34 U	40 U	38 U	36 U	37 U	37 U	37 U	36 U	38 U	38 U	38 U	40 UJ
Aroclor Calcs	Total Aroclors (ND=0)	TAROND0	-	µg/kg	181	37 U	350	260	16 J	204 J	42	45 J	22 J	9.8 J	17 J	400	4.4 J	17 J	55 J	34.7 J	40 UJ
Aroclor Calcs	Total Aroclors (ND=0.5*RDL)	TAROND05	-	µg/kg	310.5	37 U	510	396.5	138.5 J	323 J	202	178 J	166 J	157.8 J	165 J	529.5	148.4 J	169 J	188 J	167.7 J	40 UJ

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

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Table J - Year 2 VOC Analytical Data Table

Location					RI-SB-43	RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-45	RI-SB-45	RI-SB-45	RI-SB-46	RI-SB-46	RI-SB-46	RI-SB-47	RI-SB-47	RI-SB-47
Sample #					RI-SB-43 (0-0.5)	RI-SB-43 (1-2)	RI-SB-43 (2-3)	RI-SB-44 (0-0.5)	RI-SB-44 (1-2)	RI-SB-44 (2-3)	RI-SB-44 (8-9)	RI-SB-44 (15-16)	RI-SB-44 (29-30)	RI-SB-44A (2-3)	RI-SB-45 (0-0.5)	RI-SB-45 (1-2)	RI-SB-45 (5.5-6.5)	RI-SB-46 (0-0.5)	RI-SB-46 (1-2)	RI-SB-46 (16.5-17.5)	RI-SB-47 (0-0.5)	RI-SB-47 (1-2)	RI-SB-47 (19-20)
Start Depth					0	1	2	0	1	2	8	15	2	2	0	1	5.5	0	4	16.5	0	1	19
End Depth					0.5	2	3	0.5	2	3	9	16	3	3	0.5	2	6.5	0.5	5	17.5	0.5	2	20
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	RI-SB-44 (2-3)	-	-	-	-	-	-	-	-	-
Sample Date					5/23/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/23/2025	5/23/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	**1400**	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	5.6 UJ	5.5 R	5.7 R	5.5 U	5.4 R	5.1 R	4.9 U	4.7 U	4.4 U	6.4 R	6.1 UJ	4.7 R	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 UJ
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,1-Dichloroethane	75-34-3	**15.6**	µg/kg	5.6 UJ	5.5 UJ	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 UJ	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	5.6 UJ	5.5 UJ	5.7 UJ	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 UJ	4.7 UJ	4.2 UJ	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	42	µg/kg	4.6 J+	1.4 J	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 U
VOCs	1,2,3-Trichloropropane	96-18-4	**0.0064**	µg/kg	**1.2 J+**	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	4.3 J+	1.4 J	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	2.7 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	1 J	5.4 R	3.7 J+	4.4 R	9 U	5.2 UJ	42
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	5.6 UJ	5.5 R	5.7 R	5.5 U	5.4 R	5.1 R	4.9 U	4.7 U	4.4 UJ	6.4 R	6.1 UJ	4.7 R	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 UJ
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	2.2 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	1.8 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	1.9 J+	26 J+	9 U	5.2 UJ	20
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	2 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	2.4 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	11 UJ	11 U	11 U	11 U	11 U	10 U	9.9 U	9.4 U	8.9 U	13 U	13 J+	9.4 U	8.3 U	110 J+	110 J+	8.7 R	18 U	10 U	12 U
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	**47 J+**	11 U	12 J+	11 U	11 U	10 U	9.9 U	9.4 U	8.9 U	13 U	15 J+	7.4 J	3.9 J	**68 J+**	**88 J+**	8.7 R	18 U	10 U	12 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	23 J+	11 U	11 U	11 U	11 U	10 U	9.9 U	9.4 U	8.9 U	13 U	12 U	9.4 U	8.3 U	11 R	14 R	8.7 R	18 U	10 U	12 U
VOCs	Acetone	67-64-1	7400	µg/kg	11 UJ	11 U	17	11 U	5.3 J	6.3 J	31	9.4 U	7 J	13	29	7.2 J	10	140 J+	78 J+	8.7 R	10 J	10 U	25
VOCs	Benzene	71-43-2	52	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	1.8 J	4.7 U	0.71 J	6.4 U	6.1 U	4.7 U	4.2 U	0.81 J+	2.7 J+	4.4 R	9 U	5.2 U	1.3 J
VOCs	Bromochloromethane	74-97-5	42	µg/kg	5.6 UJ	5.5 UJ	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 UJ	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Bromoform	75-25-2	420	µg/kg	5.6 UJ	5.5 UJ	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 UJ	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	6.1 U
VOCs	Bromomethane	74-83-9	**3.8**	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 UJ	5.4 UJ	5.1 UJ	4.9 UJ	4.7 UJ	4.4 UJ	6.4 UJ	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 UJ	5.2 UJ	6.1 UJ
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	5.6 UJ	5.5 UJ	5.7 UJ	5.5 UJ	5.4 UJ	5.1 UJ	0.62 J	4.7 UJ	1.7 J	6.4 UJ	2.4 J	4.7 UJ	2.4 J	9.5 J+	9.6 J+	4.4 R	4.8 J	0.73 J	7.2 J
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Chloroform	67-66-3	**320**	µg/kg	24 J+	48 J+	29 J+	11 J+	34 J+	25 J+	5.6 J+	4.7 U	4.4 U	35 J+	22 J+	29 J+	13 J+	23 J+	24 J+	4.4 R	9 U	5.2 U	10 J+
VOCs	Chloromethane	74-87-3	**98**	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	26 J+	9 U	5.2 U	6.1 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	5.6 UJ	5.5 UJ	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 UJ	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	1.2 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	0.24 J	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	1.4 J+	4.4 R	9 U	5.2 U	5.7 J
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	1.8 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 UJ	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 UJ	5.9 J
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	1.4 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	4.8 J+	4.4 R	9 U	5.2 U	45
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	5.6 UJ	5.5 UJ	5.7 UJ	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 UJ	4.7 UJ	4.2 UJ	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Methylcylohexane	108-87-2	880	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	0.45 J	6.4 U	6.1 U	4.7 U	1.8 J	5.4 R	4.7 J+	4.4 R	9 U	5.2 U	2.8 J
VOCs	Methylene Chloride	75-09-2	**26**	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 U	4.4 R	9 U	5.2 U	6.1 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	3 J+	4.4 R	9 U	5.2 U	14
VOCs	Styrene	100-42-5	530	µg/kg	1.2 J+	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Toluene	108-88-3	5400	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	0.38 J	4.7 U	1.1 J	6.4 U	6.1 U	4.7 U	4.2 U	0.58 J+	3.7 J+	4.4 R	9 U	5.2 U	4.7 J
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	5.6 UJ	16	4.2 J	5.5 U	6.5	6	4.9 U	4.7 U	4.4 U	20	1.3 J	11	4.2 U	0.74 J+	2.5 J+	4.4 R	9 U	3 J	8.2
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	5.6 UJ	5.5 U	5.7 U	5.5 U	5.4 U	5.1 U	4.9 U	4.7 U	4.4 U	6.4 U	6.1 U	4.7 U	4.2 U	5.4 R	6.9 R	4.4 R	9 U	5.2 U	6.1 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table J - Year 2 VOC Analytical Data Table

Location					RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-49	RI-SB-49	RI-SB-49	RI-SB-50	RI-SB-50	RI-SB-50	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52	RI-SB-52
Sample #					RI-SB-48 (0-0.5)	RI-SB-48 (1-2)	RI-SB-48 (19-20)	RI-SB-48 (21-22)	RI-SB-48 (26-27)	RI-SB-48 (34-35)	RI-SB-49 (0-0.5)	RI-SB-49 (1-2)	RI-SB-49 (8-9)	RI-SB-50 (0-0.5)	RI-SB-50 (1-2)	RI-SB-50 (19-20)	RI-SB-51 (0-0.5)	RI-SB-51 (1-2)	RI-SB-51 (9-10)	RI-SB-51 (25-26)	RI-SB-51 (31-32)	RI-SB-52 (0-0.5)	RI-SB-52 (1-2)	RI-SB-52 (2-3)
Start Depth					0	1	19	21	21	34	0	1	8	0	1	19	0	1	9	25	31	0	1	2
End Depth					0.5	2	20	22	22	35	0.5	2	9	0.5	2	20	0.5	2	10	26	32	0.5	2	3
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	5/30/2025	5/30/2025	5/30/2025	5/30/2025	5/30/2025	5/22/2025	5/22/2025	5/22/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	**1400**	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	6.1 U	12 R	7.6 UJ	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 R	9.1 R	7.9 UJ	8.3 U	8.8 R	11 U	6.8 R	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,1-Dichloroethane	75-34-3	**15.6**	µg/kg	6.1 U	12 UJ	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 UJ	9.1 UJ	7.9 R	8.3 U	8.8 R	11 U	6.8 UJ	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	42	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2,3-Trichloropropane	96-18-4	**0.0064**	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	6.1 U	12 U	63	5.2 U	4.4 U	4.2 UJ	6.8 J+	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	6.1 U	12 R	7.6 UJ	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 R	9.1 R	7.9 R	8.3 U	8.8 R	11 UJ	6.8 R	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	6.1 U	12 U	43	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	1.4 J+	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	2.3 J	23 U	4.1 J	4.9 J	2.1 J	8.4 U	10 J+	11	27	16 R	17 U	160 J+	6.7 J	2.7 J	18	1.8 J	140 J+	8.6 U	1.6 J	12 U
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	12 U	23 U	15 U	10 U	8.7 U	8.4 U	12 UJ	11 U	**47 J+**	16 UJ	17 U	**120 J+**	21 U	14 U	11 U	10 U	**59 J+**	8.6 U	9.5 U	12 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	12 U	23 U	15 U	10 U	8.7 U	8.4 U	12 UJ	11 U	18 UJ	16 UJ	17 U	18 R	21 U	14 U	11 U	10 U	15 R	8.6 U	9.5 U	12 U
VOCs	Acetone	67-64-1	7400	µg/kg	12	23 U	18	21	12	6.5 J	38 J+	16	13 J	16 R	17 U	96 J+	26	12 J	45	12	40 J+	8.6 U	9.5 U	12 U
VOCs	Benzene	71-43-2	52	µg/kg	6.1 U	12 U	3.4 J	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	0.45 J	5.2 U	7.7 R	4.3 U	0.31 J	5.8 U
VOCs	Bromochloromethane	74-97-5	42	µg/kg	6.1 U	12 UJ	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 UJ	9.1 UJ	7.9 R	8.3 U	8.8 R	11 U	6.8 UJ	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Bromoform	75-25-2	420	µg/kg	6.1 U	12 UJ	7.6 U	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 UJ	9.1 UJ	7.9 R	8.3 U	8.8 R	11 UJ	6.8 UJ	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Bromomethane	74-83-9	**3.8**	µg/kg	6.1 UJ	12 UJ	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	6.1 UJ	12 UJ	4 J	5.2 UJ	4.4 UJ	1.9 J	5.8 UJ	2.4 J	9.1 UJ	7.9 R	8.3 UJ	8.8 R	3.1 J	6.2 J	1.7 J	5.2 UJ	7.7 R	1.8 J	2.6 J	2.5 J
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Chloroform	67-66-3	**320**	µg/kg	6.1 U	84 J+	16 J+	5.2 U	4.4 U	4.2 U	7.6 J+	38 J+	69 J+	21 J+	8.3 U	76 J+	11 U	36 J+	5.4 U	5.2 U	48 J+	4.6	8.9	13
VOCs	Chloromethane	74-87-3	**98**	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	2.2 J+	8.3 U	7.4 J+	11 U	6.8 U	5.4 U	5.2 U	9.2 J+	4.3 U	4.7 U	5.8 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	6.1 U	12 UJ	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 UJ	9.1 UJ	7.9 UJ	8.3 U	8.8 R	11 U	6.8 UJ	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	6.1 U	12 U	5.1 J	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	6.1 U	12 U	53	5.2 U	4.4 U	4.2 UJ	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 UJ	6.8 U	5.4 UJ	5.2 UJ	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	6.1 U	12 U	21	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	33 J+	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Methylcylohexane	108-87-2	880	µg/kg	6.1 U	12 U	46	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Methylene Chloride	75-09-2	**26**	µg/kg	2.9 J	5.8 J	1.9 J	1 J	1 J	1.6 J	2.7 J+	2.2 J	1.7 J	7.9 R	8.3 U	8.8 R	4.9 J	2.2 J	1.7 J	1.7 J	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	6.1 U	12 U	16	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Styrene	100-42-5	530	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Toluene	108-88-3	5400	µg/kg	6.1 U	12 U	7.8	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	0.74 J	0.46 J	1.2 J	5.2 U	7.7 R	4.3 U	0.55 J	0.89 J
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 UJ	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	6.1 U	**48**	3.2 J	5.2 U	4.4 U	4.2 U	5.8 UJ	23	**44**	7.9 UJ	8.3 U	32 J+	11 U	15	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	6.1 U	12 U	7.6 U	5.2 U	4.4 U	4.2 U	5.8 UJ	5.5 U	9.1 U	7.9 R	8.3 U	8.8 R	11 U	6.8 U	5.4 U	5.2 U	7.7 R	4.3 U	4.7 U	5.8 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table J - Year 2 VOC Analytical Data Table

Location					RI-SB-53	RI-SB-53	RI-SB-53	RI-SB-54	RI-SB-54	RI-SB-54	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-56	RI-SB-56	RI-SB-56	RI-SB-57	RI-SB-57	RI-SB-57	RI-SB-58	RI-SB-58	RI-SB-58
Sample #					RI-SB-53 (0-0.5)	RI-SB-53 (1-2)	RI-SB-53 (14-15)	RI-SB-54 (0-0.5)	RI-SB-54 (1-2)	RI-SB-54 (3-4)	RI-SB-55 (0-0.5)	RI-SB-55 (1-2)	RI-SB-55 (8-9)	RI-SB-55 (28.5-29.5)	RI-SB-55 (31-32)	RI-SB-55 (33-34)	RI-SB-56 (0-0.5)	RI-SB-56 (1-2)	RI-SB-56 (2-6)	RI-SB-57 (0-0.5)	RI-SB-57 (1-2)	RI-SB-57 (18-19)	RI-SB-58 (0-0.5)	RI-SB-58 (1-2)	RI-SB-58 (18-19)
Start Depth					0	1	14	0	1	3	0	1	8	28.5	31	33	0	1	2	0	1	18	0	1	18
End Depth					0.5	2	15	0.5	2	4	0.5	2	9	29.5	32	34	0.5	2	6	0.5	2	19	0.5	2	19
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/2/2025	6/2/2025	6/2/2025	5/21/2025	5/21/2025	5/21/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	5/20/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025	6/5/2025	6/5/2025	6/5/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	**1400**	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	**2700**	350	220 J	6.5 U	6.4 U	350 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	5.1 U	7.6 R	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 UJ	350 U
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,1-Dichloroethane	75-34-3	**15.6**	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	**180 J**	**930**	6.5 U	6.4 U	350 U
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	42	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,2,3-Trichloropropane	96-18-4	**0.0064**	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	**1 J+**	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	5.1 U	7.6 U	15	5.6 U	5.7 U	1.7 J+	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	1.6 J+	0.81 J	340 U	350 U	**270**	6.5 U	6.4 U	**6200**
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	5.1 U	7.6 R	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 UJ	350 U
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	1.4 J+	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	5.1 U	7.6 U	38	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	**2800**
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	1.1 J+	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	1.3 J+	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	5.4 J	15 U	7.5 J	4.3 J	11 U	88 J+	17 U	2.4 J	12 U	51 J+	9.1 U	13 U	10 U	12 U	2.6 J	680 U	700 U	490 U	13 U	13 U	690 U
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	10 U	15 U	12 U	11 U	11 U	**76 J+**	17 U	11 U	12 U	**20 J+**	9.1 U	13 U	10 U	12 U	11 U	680 U	700 U	490 U	13 U	13 J+	690 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	10 U	15 U	12 U	11 U	11 U	9.3 R	17 U	11 U	12 U	9.2 R	9.1 U	13 U	10 U	12 U	11 U	680 U	700 U	490 U	13 U	13 U	690 U
VOCs	Acetone	67-64-1	7400	µg/kg	17	15 U	23	16	5.8 J	38 J+	17 U	11 U	12	23 J+	9.1 U	6.6 J	5.1 J	13	6.8 J	680 U	700 U	490 U	13 U	9.6 J	690 U
VOCs	Benzene	71-43-2	52	µg/kg	0.63 J	7.6 U	0.88 J	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	1.2 J+	0.54 J	340 U	350 U	240 U	0.44 J	6.4 U	350 U
VOCs	Bromochloromethane	74-97-5	42	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Bromoform	75-25-2	420	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Bromomethane	74-83-9	**3.8**	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	**9.2 J+**	8.3 U	5.6 U	5.8 U	4.6 R	4.6 UJ	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	**4.6 J**	**5.3 J**	350 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	2.4 J	7.6 UJ	7.5 J	1.2 J	0.96 J	6 J+	8.3 UJ	5.6 UJ	5.8 UJ	4.6 R	4.6 UJ	2.1 J	2 J	2.2 J	1.2 J	340 U	350 U	240 U	1 J	6.4 UJ	350 U
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	5.1 U	7.6 U	2.8 J	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 UJ	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Chloroform	67-66-3	**320**	µg/kg	3.6 J	32	3.1 J	12	6.3	23 J+	14	14	14	24 J+	4.6 U	9.8	6.2	7.3	6.3	**360 J+**	**660 J+**	240 U	9.6 J+	17 J+	350 U
VOCs	Chloromethane	74-87-3	**98**	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.2 J+	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	5.1 U	7.6 U	0.94 J	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	35 J	6.5 U	6.4 U	350 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 UJ	350 UJ	240 UJ	6.5 UJ	6.4 UJ	350 UJ
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	0.47 J	7.6 U	5.2 J	5.6 U	5.7 U	0.6 J+	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	0.55 J+	5.3 U	340 U	350 U	**410**	1.9 J	0.53 J	**1200**
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	5.1 U	7.6 U	3.6 J	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 UJ	4.6 R	4.6 U	6.3 UJ	5.1 U	6.1 U	5.3 U	340 U	350 U	140 J	6.5 U	6.4 U	310 J
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	0.52 J	7.6 U	22	5.6 U	5.7 U	1.1 J+	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	1.4 J+	0.64 J	340 U	350 U	210 J	8.6	1 J	**4500**
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	130 J	2.6 J	6.4 U	350 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Methylcylohexane	108-87-2	880	µg/kg	5.1 U	7.6 U	5.6 J	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	0.57 J	2.8 J+	2.6 J	340 U	350 U	240 U	6.5 U	6.4 U	260 J
VOCs	Methylene Chloride	75-09-2	**26**	µg/kg	5.1 U	7.6 U	6.1 U	5.6 UJ	5.7 UJ	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 UJ	6.4 UJ	350 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	5.1 U	7.6 U	9.5	5.6 U	5.7 U	0.62 J+	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	0.95 J+	5.3 U	340 U	350 U	65 J	4 J	6.4 U	**930**
VOCs	Styrene	100-42-5	530	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	**58 J**	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Toluene	108-88-3	5400	µg/kg	0.98 J	7.6 U	2.6 J	5.6 U	5.7 U	0.86 J+	8.3 U	5.6 U	5.8 U	0.9 J+	4.6 U	0.63 J	5.1 U	2.1 J+	0.81 J	340 U	350 U	240 U	0.84 J	0.52 J	120 J
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	5.1 U	8.7	6.1 U	5.6 U	0.87 J	2.5 J+	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	0.79 J+	5.3 U	340 U	350 U	**91 J**	6.5 U	1.3 J	350 U
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 U	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 U	6.4 U	350 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	5.1 U	7.6 U	6.1 U	5.6 U	5.7 U	4.7 R	8.3 U	5.6 U	5.8 U	4.6 R	4.6 UJ	6.3 U	5.1 U	6.1 U	5.3 U	340 U	350 U	240 U	6.5 UJ	6.4 UJ	350 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table J - Year 2 VOC Analytical Data Table

Location					RI-SB-59	RI-SB-59	RI-SB-59	RI-SB-59	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-64	RI-SB-64	RI-SB-65	RI-SB-65	RI-SB-65
Sample #					RI-SB-59 (0-0.5)	RI-SB-59 (1-2)	RI-SB-59 (24-25)	RI-SB-59 (8-9)	RI-SB-61 (0-0.5)	RI-SB-61 (1-2)	RI-SB-61 (7-8)	RI-SB-61 (21-22)	RI-SB-61 (26-27)	RI-SB-61 (36-37)	RI-SB-63 (0-0.5)	RI-SB-63 (1-2)	RI-SB-63 (2-3)	RI-SB-63A (1-2)	RI-SB-64 (0-0.5)	RI-SB-64 (1-2)	RI-SB-64 (2-3)	RI-SB-65 (0-0.5)	RI-SB-65 (1-2)	RI-SB-65 (4-5)
Start Depth					0	1	24	8	0	1	7	21	26	36	0	1	2	1	0	1	2	0	1	4
End Depth					0.5	2	25	9	0.5	2	8	22	27	37	0.5	2	3	2	0.5	2	3	0.5	2	5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-63 (1-2)	-	-	-	-	-	-
Sample Date					6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	5/22/2025	5/22/2025	5/22/2025	5/22/2025	6/10/2025	6/10/2025	6/10/2025	5/20/2025	5/20/2025	5/20/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	**1400**	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	7 R	6 R	4.5 U	7.7 R	5.7 UJ	6.5 R	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,1-Dichloroethane	75-34-3	**15.6**	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,2,3-Trichlorobenzene	87-61-6	42	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 UJ	5.5 U	5.4 U	6.3 U
VOCs	1,2,3-Trichloropropane	96-18-4	**0.0064**	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 UJ	5.5 U	5.4 U	6.3 U
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	**350 J**	**570**	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	0.66 J	5.4 U	6.3 U
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	7 R	6 R	4.5 UJ	7.7 R	5.7 UJ	6.5 R	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 UJ	5.5 U	5.4 U	6.3 U
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	7 R	6 U	0.56 J+	7.7 R	5.7 U	6.5 U	170 J	**260**	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 UJ	5.5 U	5.4 U	6.3 U
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 UJ	5.5 U	5.4 U	6.3 U
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	80 J+	2.4 J	1.8 J	15 R	11 U	13 U	730 U	530 U	9.4 U	11 U	3.1 J	3.5 J	11 U	2.8 J	11 U	15 R	11	11 U	1.7 J	19
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	**46 J+**	12 U	9.1 U	15 R	11 U	14 J+	730 U	530 U	13 J+	13 J+	11 U	8.8 U	11 U	9.9 U	11 U	15 R	11 U	11 U	11 U	13 U
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	14 R	12 U	9.1 U	15 R	11 U	13 U	730 U	530 U	9.4 UJ	11 UJ	11 U	8.8 U	11 U	9.9 U	11 U	15 R	11 U	11 U	11 U	13 U
VOCs	Acetone	67-64-1	7400	µg/kg	37 J+	12 U	5.7 J	15 R	14	17	730 U	530 U	7.7 J	17	11 U	15	11 U	13	19	110 J+	50	11 U	6.3 J	77
VOCs	Benzene	71-43-2	52	µg/kg	7 R	6 U	2.2 J	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	0.7 J	4.4 U	5.5 U	0.65 J	0.93 J	1.5 J+	0.51 J	5.5 U	0.38 J	0.62 J+
VOCs	Bromochloromethane	74-97-5	42	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Bromoform	75-25-2	420	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 UJ	6.5 UJ	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Bromomethane	74-83-9	**3.8**	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 UJ	6.5 UJ	370 U	260 U	**5.7 J+**	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	**100 J+**	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	7 R	6 UJ	5.1 J	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	2.3 J	0.86 J	5.5 UJ	2.3 J	1.5 J	7.3 R	1.3 J	5.5 UJ	5.4 UJ	44 J
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Chlorobenzene	108-90-7	500	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 UJ	5.5 U	5.4 U	6.3 U
VOCs	Chloroethane	75-00-3	3400	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Chloroform	67-66-3	**320**	µg/kg	37 J+	39	5.8	54 J+	22 J+	42 J+	**370**	260 U	4.7 U	5.7 U	6.3	4.2 J	3.9 J	4.6 J	5.7 U	29 J+	5.6 U	8.9	7.6	12
VOCs	Chloromethane	74-87-3	**98**	µg/kg	3.7 J+	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	34 J+	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Cyclohexane	110-82-7	26000	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	1.1 J	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 UJ	6.5 UJ	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 UJ	6.5 UJ	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	7 R	6 U	0.51 J	7.7 R	5.7 U	6.5 U	130 J	230 J	4.7 UJ	5.7 UJ	0.73 J	4.4 U	5.5 U	5 U	0.4 J	7.3 R	5.6 U	5.5 U	0.45 J	0.68 J+
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	7 R	6 U	4.5 UJ	7.7 R	5.7 U	6.5 U	370 U	66 J	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	0.62 J+
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	7 R	6 U	0.58 J	7.7 R	5.7 U	6.5 U	**610**	**880**	4.7 UJ	5.7 UJ	0.86 J	4.4 U	5.5 U	0.44 J	0.97 J	7.3 R	5.6 U	0.5 J	0.48 J	1.6 J+
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Methylcylohexane	108-87-2	880	µg/kg	7 R	6 U	2.4 J+	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	2.6 J	4.4 U	5.5 U	0.92 J	1.3 J	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Methylene Chloride	75-09-2	**26**	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	o-Xylene	95-47-6	**380**	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	290 J	**480**	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	0.52 J	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Styrene	100-42-5	530	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	7.3	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Toluene	108-88-3	5400	µg/kg	7 R	6 U	2.6 J	7.7 R	5.7 U	6.5 U	370 U	63 J	4.7 UJ	5.7 UJ	1.4 J	0.45 J	5.5 U	0.87 J	1.3 J	1.4 J+	5.6 U	5.5 U	0.42 J	0.96 J+
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	7 R	11	4.5 U	7.7 R	1.9 J	8.5	370 U	260 U	4.7 UJ	5.7 UJ	4.7 J	0.52 J	5.5 U	2.6 J	2.5 J	6.3 J+	5.6 U	9	9.3	6.3 U
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 U	6.5 U	370 U	260 U	4.7 U	5.7 U	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	7 R	6 U	4.5 U	7.7 R	5.7 UJ	6.5 UJ	370 U	260 U	4.7 UJ	5.7 UJ	5.6 U	4.4 U	5.5 U	5 U	5.7 U	7.3 R	5.6 U	5.5 U	5.4 U	6.3 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table J - Year 2 VOC Analytical Data Table

Location					RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-67	RI-SB-67	RI-SB-67	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-69	RI-SB-69	RI-SB-69	RI-SB-70	RI-SB-70	RI-SB-70	RI-SB-71	RI-SB-71	RI-SB-71
Sample #					RI-SB-66 (0-0.5)	RI-SB-66 (1-2)	RI-SB-66 (10-11)	RI-SB-66A (0-0.5)	RI-SB-67 (0-0.5)	RI-SB-67 (3-3.5)	RI-SB-67 (4-5)	RI-SB-68 (0-0.5)	RI-SB-68 (2-3)	RI-SB-68 (5-6)	RI-SB-68 (21-22)	RI-SB-68A (21-22)	RI-SB-69 (0-0.5)	RI-SB-69 (1-2)	RI-SB-69 (9-10)	RI-SB-70 (0-0.5)	RI-SB-70 (1-2)	RI-SB-70 (4-5)	RI-SB-71 (0-0.5)	RI-SB-71 (1-2)	RI-SB-71 (8-9)
Start Depth					0	1	10	0	0	3	4	0	2	5	21	21	0	1	9	0	1	4	0	1	8
End Depth					0.5	2	11	0.5	0.5	3.5	5	0.5	3	6	22	22	0.5	2	10	0.5	2	5	0.5	2	9
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-66 (0-0.5)	-	-	-	-	-	-	-	RI-SB-68 (21-22)	-	-	-	-	-	-	-	-	-
Sample Date					6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/9/2025	6/9/2025	6/9/2025	6/9/2025	6/9/2025	6/4/2025	6/4/2025	6/4/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	**1400**	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	1.8 J	**2300**	1000 J	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 UJ	7.8 UJ	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 R	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,1-Dichloroethane	75-34-3	**15.6**	µg/kg	3.9 J	**520**	4.1 J	4.1 J	6.4 U	0.73 J	6 U	1.6 J	**890**	**3200**	0.68 J	1.5 J	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,2,3-Trichlorobenzene	87-61-6	42	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	2.3 J+
VOCs	1,2,3-Trichloropropane	96-18-4	**0.0064**	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 R
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	2 J+
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	6.9 U	140 J	6.3 U	7.1 U	6.4 U	4.9 U	6 U	11	**5200**	**10000**	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	**890**	8.5 UJ	8.8 U	5.5 R
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 UJ	7.8 UJ	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 R
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	0.77 J+
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	6.9 U	300 U	0.97 J	7.1 U	6.4 U	4.9 U	1.2 J	6.5 J	**1700**	**2700**	5.1 U	4.1 U	1.1 J	2 J	9.2 U	6.8 U	8.1 U	**260 J**	8.5 UJ	8.8 U	5.5 R
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	1.5 J	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	0.69 J+
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	1 J+
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	14 U	610 U	13 U	14 U	13 U	9.8 U	16 J+	16 U	650 U	3000 U	7.1 J	9.7	12 U	41 J+	18 R	7.2 J	16 U	710 U	21 J+	18 U	20 J+
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	14 U	610 U	13 J+	16 J+	13 U	9.8 U	12 U	**18 J+**	650 U	3000 U	10 U	12 J+	14 J+	**79 J+**	18 R	14 U	16 U	710 U	**36 J+**	18 U	**31 J+**
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	14 U	610 U	13 U	14 U	13 U	9.8 U	12 U	3.2 J	650 U	3000 U	10 U	8.1 U	12 U	16 R	18 R	14 U	16 U	710 U	17 UJ	18 U	11 UJ
VOCs	Acetone	67-64-1	7400	µg/kg	8.1 J	610 U	38	12 J	13 U	24	71	9.1 J	650 U	3000 U	20	32	10 J	48	18 R	18	11 J	710 U	8.9 J+	11 J	57 J+
VOCs	Benzene	71-43-2	52	µg/kg	6.9 U	300 U	0.43 J	7.1 U	6.4 U	0.98 J	0.57 J	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	1.2 J	4.2 J	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Bromochloromethane	74-97-5	42	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Bromoform	75-25-2	420	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 R
VOCs	Bromomethane	74-83-9	**3.8**	µg/kg	6.9 UJ	300 U	6.3 UJ	7.1 UJ	6.4 UJ	4.9 UJ	6 UJ	8 U	320 U	1500 U	2 J	4.1 U	6 UJ	**24 J+**	9.2 UJ	6.8 U	8.1 U	360 U	**7.1 J+**	8.8 U	**4 J+**
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	2.6 J	300 U	6.9	1.4 J	2 J	1.1 J	3.9 J	8 U	320 UJ	1500 UJ	5.1 U	4.1 U	9.6	27	9.2 UJ	2.7 J	2.5 J	360 UJ	8.5 UJ	2.7 J	9.8 J+
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Chlorobenzene	108-90-7	500	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Chloroethane	75-00-3	3400	µg/kg	6.9 UJ	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Chloroform	67-66-3	**320**	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	11 J+	320 U	1500 U	5.1 U	4.1 U	14 J+	33 J+	9.2 U	8.5 J+	15 J+	360 U	10 J+	8.8 U	8.6 J+
VOCs	Chloromethane	74-87-3	**98**	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	22 J+	**230 J+**	6.8 U	8.1 U	360 U	3.3 J+	8.8 U	2.7 J+
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	0.68 J	6 U	8 U	88 J+	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 R	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Cyclohexane	110-82-7	26000	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	0.89 J	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	15	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	6.9 U	300 UJ	6.3 UJ	7.1 UJ	6.4 U	4.9 UJ	6 UJ	8 U	320 U	1500 U	5.1 U	4.1 U	6 UJ	7.8 UJ	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	6.9 U	300 U	6.3 U	7.1 U	0.54 J	4.9 U	14 J+	0.54 J	140 J	**1200 J**	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	91 J	8.5 UJ	8.8 U	5.5 UJ
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	0.59 J	8 U	180 J	430 J	5.1 U	4.1 U	6 U	0.78 J	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 R
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	6.9 U	300 U	1.3 J	7.1 U	2.4 J	0.53 J	66	1.4 J	**630**	**5200**	5.1 U	4.1 U	0.91 J	4.5 J	9.2 U	6.8 U	8.1 U	**500**	8.5 UJ	8.8 U	5.5 UJ
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	6.9 U	370	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	500	1900	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	190 J	8.5 UJ	8.8 U	5.5 UJ
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Methylcylohexane	108-87-2	880	µg/kg	6.9 U	300 U	0.65 J	7.1 U	0.48 J	4.9 U	5.7 J	1.2 J	560	1500 U	5.1 U	4.1 U	6 U	17	65 J-	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Methylene Chloride	75-09-2	**26**	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	**1300 J+**	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	o-Xylene	95-47-6	**380**	µg/kg	6.9 U	300 U	1.2 J	7.1 U	1.4 J	4.9 U	36	0.77 J	220 J	**2700**	5.1 U	4.1 U	0.53 J	2.5 J	9.2 U	6.8 U	8.1 U	150 J	8.5 UJ	8.8 U	5.5 UJ
VOCs	Styrene	100-42-5	530	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	5.8 J	**3800**	**22000**	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Toluene	108-88-3	5400	µg/kg	6.9 U	88 J	0.77 J	7.1 U	6.4 U	4.9 U	0.52 J	8 U	78 J	430 J	5.1 U	4.1 U	6 U	3.4 J	9.2 U	6.8 U	8.1 U	110 J	8.5 UJ	8.8 U	0.43 J+
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 R	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	6.9 U	**81 J**	6.3 U	7.1 U	6.4 U	4.9 U	6 U	8 U	**180 J**	**370 J**	5.1 U	4.1 U	2.1 J	5.7 J	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	0.86 J+
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	6.9 U	300 U	6.3 U	7.1 U	6.4 UJ	4.9 U	6 U	8 U	320 U	1500 U	5.1 U	4.1 U	6 U	7.8 U	9.2 U	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	6.9 UJ	300 U	6.3 UJ	7.1 UJ	6.4 UJ	4.9 UJ	6 UJ	8 U	320 U	1500 U	5.1 U	4.1 U	6 UJ	7.8 UJ	9.2 UJ	6.8 U	8.1 U	360 U	8.5 UJ	8.8 U	5.5 UJ

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table J - Year 2 VOC Analytical Data Table

Location					RI-SB-72	RI-SB-72	RI-SB-72	RI-SB-73	RI-SB-73	RI-SB-73	RI-SB-73	RI-SB-74	RI-SB-74	RI-SB-74	RI-SB-75	RI-SB-75
Sample #					RI-SB-72 (0-0.5)	RI-SB-72 (1-2)	RI-SB-72 (8-9)	RI-SB-73 (0-0.5)	RI-SB-73 (1-2)	RI-SB-73 (2.5-3.5)	RI-SB-73A (2.5-3.5)	RI-SB-74 (0-0.5)	RI-SB-74 (1-2)	RI-SB-74 (11-12)	RI-SB-75 (1-2)	RI-SB-75 (4-5)
Start Depth					0	1	8	0	1	2.5	2.5	0	1	11	1	1
End Depth					0.5	2	9	0.5	2	3.5	3.5	0.5	2	12	2	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	RI-SB-73 (2.5-3.5)	-	-	-	-	-
Sample Date					6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/5/2025	6/5/2025	6/5/2025	5/27/2025	5/27/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	71-55-6	**1400**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	0.6	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 UJ	12 R	6 U	4.7 UJ	5.2 UJ	5.3 UJ	5.4 UJ
VOCs	1,1,2-Trichloroethane	79-00-5	32	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	1700	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,1-Dichloroethane	75-34-3	**15.6**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,1-Dichloroethene	75-35-4	50	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,2,3-Trichlorobenzene	87-61-6	42	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,2,3-Trichloropropane	96-18-4	**0.0064**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,2,4-Trichlorobenzene	120-82-1	4000	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,2,4-Trimethylbenzene	95-63-6	**162**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	2.9 J	4.7 U	2.9 J	32 J	2.3 J
VOCs	1,2-Dibromo-3-Chloropropane	96-12-8	1.72	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 UJ	12 R	6 U	4.7 UJ	5.2 UJ	5.3 UJ	5.4 UJ
VOCs	1,2-Dibromoethane	106-93-4	0.28	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,2-Dichlorobenzene	95-50-1	280	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,2-Dichloroethane	107-06-2	28	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,2-Dichloropropane	78-87-5	34	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,3,5-Trimethylbenzene	108-67-8	**174**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	1.1 J	4.7 U	1.9 J	28 J	2.6 J
VOCs	1,3-Dichlorobenzene	541-73-1	170	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	1,4-Dichlorobenzene	106-46-7	360	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	2-Butanone (MEK)	78-93-3	2400	µg/kg	3.8 J	8.1 J	18 U	5.4 J	3.7 J	4.8 J	25 U	12 U	9.4 U	10 U	11 U	11 UJ
VOCs	2-Hexanone	591-78-6	**17.6**	µg/kg	13 U	12 U	18 U	14 U	15 U	21 U	25 U	12 J+	12 J+	10 U	11 UJ	11 UJ
VOCs	4-Methyl-2-Pentanone (MIBK)	108-10-1	2800	µg/kg	13 U	12 U	18 U	3.2 J	15 U	21 U	25 U	12 U	9.4 U	10 U	11 UJ	11 UJ
VOCs	Acetone	67-64-1	7400	µg/kg	18	28	51	13 J	8.1 J	11 J	18 J	17	9.2 J	6.8 J	11 UJ	11 UJ
VOCs	Benzene	71-43-2	52	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	2 J	0.92 J	1.3 J
VOCs	Bromochloromethane	74-97-5	42	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Bromodichloromethane	75-27-4	290	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Bromoform	75-25-2	420	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 UJ	5.2 U	5.3 UJ	5.4 UJ
VOCs	Bromomethane	74-83-9	**3.8**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	**4.2 J**	4.7 UJ	3.5 J	5.3 UJ	5.4 UJ
VOCs	Carbon Disulfide	75-15-0	480	µg/kg	1.3 J	5.8 J	5.8 J	6.8 U	6.2 J	8.6 J	3.3 J	6 UJ	4.1 J	2.5 J	3.5 J	1.7 J
VOCs	Carbon Tetrachloride	56-23-5	38	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Chlorobenzene	108-90-7	500	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Chloroethane	75-00-3	3400	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Chloroform	67-66-3	**320**	µg/kg	6.3 U	12 J+	8.8 U	6.8 U	20 J+	30 J+	59 J+	11 J+	18 J+	17 J+	12 J+	11 J+
VOCs	Chloromethane	74-87-3	**98**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	cis-1,2-Dichloroethene	156-59-2	420	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	2.2 J	5.3 UJ	5.4 UJ
VOCs	cis-1,3-Dichloropropene	10061-01-5	3.4	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Cyclohexane	110-82-7	26000	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	1.5 J+	5.3 UJ	5.4 UJ
VOCs	Dibromochloromethane	124-48-1	420	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 UJ	5.2 U	5.3 UJ	5.4 UJ
VOCs	Dichlorodifluoromethane	75-71-8	600	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 UJ	4.7 UJ	5.2 UJ	5.3 UJ	5.4 UJ
VOCs	Ethylbenzene	100-41-4	**360**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	0.33 J	4.7 U	0.39 J	1.6 J	0.33 J
VOCs	Isopropylbenzene	98-82-8	1480	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	2 J	5.4 UJ
VOCs	m,p-Xylene	179601-23-1	**380**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	0.63 J	4.7 U	1.3 J	12 J	0.95 J
VOCs	Methyl Acetate	79-20-9	8200	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6.1	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Methyl Tert-Butyl Ether	1634-04-4	64	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Methylcylohexane	108-87-2	880	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	2.5 J+	3.6 J	3.4 J
VOCs	Methylene Chloride	75-09-2	**26**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 UJ	4.7 U	5.2 UJ	5.3 UJ	5.4 UJ
VOCs	o-Xylene	95-47-6	**380**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	1 J	6.3 J	1.2 J
VOCs	Styrene	100-42-5	530	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Tetrachloroethene	127-18-4	**46**	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Toluene	108-88-3	5400	µg/kg	6.3 U	5.9 U	0.77 J	6.8 U	7.6 U	10 U	12 U	0.55 J	4.7 U	2 J	1.6 J	2 J
VOCs	trans-1,2-Dichloroethene	156-60-5	620	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	trans-1,3-Dichloropropene	10061-02-6	3.4	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Trichloroethene	79-01-6	**36**	µg/kg	6.3 U	0.78 J	8.8 U	6.8 U	7.6 U	1.7 J	7.8 J	6 U	3.1 J	3.8 J	5.3 UJ	0.54 J
VOCs	Trichlorofluoromethane	75-69-4	6600	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 U	4.7 U	5.2 U	5.3 UJ	5.4 UJ
VOCs	Vinyl Chloride	75-01-4	13.8	µg/kg	6.3 U	5.9 U	8.8 U	6.8 U	7.6 U	10 U	12 U	6 UJ	4.7 UJ	5.2 UJ	5.3 UJ	5.4 UJ

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

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J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table K - Year 2 SVOC Analytical Data Table

	Location				RI-SB-43	RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-45	RI-SB-45	RI-SB-45	RI-SB-46	RI-SB-46	RI-SB-46	RI-SB-47	RI-SB-47	RI-SB-47	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48
	Sample #				RI-SB-43 (0-0.5)	RI-SB-43 (1-2)	RI-SB-43 (2-3)	RI-SB-44 (0-0.5)	RI-SB-44 (1-2)	RI-SB-44 (2-3)	RI-SB-44 (8-9)	RI-SB-44 (15-16)	RI-SB-44 (29-30)	RI-SB-44A (2-3)	RI-SB-45 (0-0.5)	RI-SB-45 (1-2)	RI-SB-45 (5.5-6.5)	RI-SB-46 (0-0.5)	RI-SB-46 (1-2)	RI-SB-46 (16.5-17.5)	RI-SB-47 (0-0.5)	RI-SB-47 (1-2)	RI-SB-47 (19-20)	RI-SB-48 (0-0.5)	RI-SB-48 (1-2)	RI-SB-48 (19-20)	RI-SB-48 (21-22)	RI-SB-48 (26-27)	RI-SB-48 (34-35)
	Start Depth				0	1	2	0	1	2	8	8	2	2	0	1	5.5	0	1	16.5	0	1	19	0	1	19	21	26	34
	End Depth				0.5	2	3	0.5	2	3	9	9	3	3	0.5	2	6.5	0.5	2	17.5	0.5	2	20	0.5	2	20	22	27	35
	Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
	Sample Type				N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Parent Sample #				-	-	-	-	-	-	-	-	-	RI-SB-44 (2-3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sample Date				5/23/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/23/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	7.4 U	7.5 U	9 U	7.7 U	7.5 U	7.4 U	8 U	7.6 U	8.2 U	7.4 U	7.1 U	7.6 U	8.3 U	7.3 U	30 U	7.9 U	28 U	39 U	8.3 U	7.2 U	36 U	40 U	7.9 U	7.6 U	7.5 U
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**1.4 J**	**7.3**	**20**	**5.1**	**1.6 J**	**1.8 J**	4 U	3.8 U	**7.6**	**2.3 J**	**1.8 J**	37 U	**62**	**3.1 J**	**62 J**	**68 J**	**9.1 J**	**93 J**	**130 J**	**4.4**	18 U	**160 J**	3.9 U	**1 J**	**6.4**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	190 U	190 U	220 U	200 U	190 UJ	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	370	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	190 U	190 U	220 U	200 U	190 U	190 UJ	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 R	200 U	200 U	190 U	190 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	3.9	32	37	11	5.1	5.2	1.7 J	1 J	9.8	6.5	4.1 J	13 J	81	6.7	97 J	88 J	18	120	230 J	16	18 U	190	1 J	0.96 J	9.2
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	360 U	370 U	430 U	380 U	370 UJ	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	360 U	370 U	430 U	380 U	370 UJ	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	1.8 J	3.7 U	2.9 J	1.8 J	15	3.8	2 J	3.8 U	4 U	29	7.1 U	12 J	16 U	1.4 J	34 J	34	11 J	150	95 J	3.3 J	11 J	250	3.9 U	3.7 U	3.7 U
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	9	3.7 U	1.1 J	3.5 J	3.7 U	3.7 U	4 U	3.8 U	4 U	3.6 U	7.1 U	37 U	16 U	3.3 J	6.8 J	2.8 J	41	5.3 J	6.1	3.6 U	18 U	9.3 J	3.9 U	3.7 U	3.7 U
SVOCs	Acetophenone	98-86-2	1160	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	110 J
SVOCs	Anthracene	120-12-7	41000	µg/kg	12	6.2	9.9	4	20	14	2.1 J	3.8 U	4 U	27	2.5 J	84	16 U	10	77 J	24	39	270	25	6	19	280	3.9 U	3.7 U	3.7 U
SVOCs	Atrazine	1912-24-9	38	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	150 J	110 J	130 J	60	**460 J**	**410 J**	7.4	3.4 J	2 J	**640 J**	27	**1500 J**	38	49	**420 J**	120 J	**620 J**	**1000 J**	58	77 J	**250**	**700 J+**	3.9 U	3.7 U	3.7 U
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	**150 J**	69 J	**130 J**	91 J	**410 J**	**300 J**	6.2	2.7 J	1.6 J	**590 J**	40	**850 J**	21	81 J	**500 J**	**190 J**	**640**	**960 J**	57	99 J	**190**	**550 J**	0.96 J	1 J	1.6 J
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	250	230	120 J	120 J	680 J	620 J	6.1	4.4	3 J	920	59	**1700 J**	30	120 J	540 J	200 J	720	870	62 J	140 J	250	520	1.4 J	1.9 J	3.1 J
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	140 J	150 J	82 J	110 J	360	230 J	3.1 J	2.2 J	4.4	420	66 J+	760 J	12 J	78 J	330 J	130 J	400 J	450	23	75 J	130 J	240	3.9 U	5.5 J+	6.3 J+
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	190	180 J	110 J	82 J	480	450 J	4.7	2.2 J	1.2 J	750	45	2000	20	81 J	390 J	140 J	790 J	700	48	110 J	230	480	3.9 UJ	3.7 UJ	3.7 UJ
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	92 J	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	120 J	200 U	210 U	180 U	180 U	530	200 U	190 U	190 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	360 U	370 U	430 U	380 U	370 UJ	370 U	400 U	380 U	400 U	360 UJ	360 U	1800 U	410 U	360 U	370 U	390 UJ	350 U	390 UJ	410 U	360 U	360 UJ	390 U	390 U	370 U	370 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Carbazole	86-74-8	**1100**	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	240 J	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	190	200	120 J	79 J	570 J	540 J	7	8.8	7.4	810	42	1900 J	69	68 J	410	140 J	600	920 J	62 J	120 J	270	650	3.9 U	5.7 J+	6.9 J+
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	64 J	65 J	38	14	**140 J**	**110 J**	1.3 J	3.8 U	4 U	**210 J**	7.2	**340**	4.1 J	11	**110**	33	**140**	**210**	11	34	56 J	100	3.9 U	3.7 U	3.7 U
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	98 J	72 J	180 U	180 U	110 J	200 U	190 U	190 U
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	190 U	97 J	220 U	200 U	130 J	180 J	200 U	190 U	210 U	140 J	180 U	280 J	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	160 J	200 U	200 U	190 U	190 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 UJ	1800 U	410 UJ	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Fluoranthene	206-44-0	**5500**	µg/kg	170 J	160 J	220	100 J	740	870 J	49	6.7	3.2 J	1000 J	65 J	3700	31	77 J	830	230	900	2000	120 J	94 J	510	2300	3.9 U	3.7 U	3.7 U
SVOCs	Fluorene	86-73-7	**5300**	µg/kg	3.6 U	3.7 U	1.9 J	3.8 U	1.1 J	3.7 U	3.9 J	3.8 U	1.7 J	2.2 J	7.1 U	37 U	6.4 J	3.6 U	38	17	8.4 J	180	96 J	3.6 U	18 U	230	3.9 U	3.7 U	1.4 J
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 UJ	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	Hexachlorobenzene	118-74-1	**78**	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	160 J	160 J	100 J	81 J	360 J	280 J	3.9 J	2 J	1.3 J	520 J	26	990 J	11 J	63 J	280	120 J	390	510 J	30	76 J	140	290	3.9 U	0.87 J	1.1 J
SVOCs	Isophorone	78-59-1	520	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 UJ	200 U	200 U	190 U	190 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	2.7 J	**7.8**	**11**	5.7	5.2	4.4	4 U	3.8 U	1.9 J	6.7	7.1 U	37 U	**35**	3.5 J	**140 J**	**45**	**15**	**120**	**420**	6.1	18 U	**200**	3.9 U	3.7 U	2.8 J
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	200 U	200 U	190 U	190 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	190 U	190 U	220 U	200 U	190 U	190 U	200 U	190 U	210 U	190 U	180 U	950 U	210 U	180 U	190 U	200 U	180 U	200 U	210 U	180 U	180 U	140 J	200 U	190 U	190 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	7.3 U	3.2 J	8.7 U	7.7 U	7.5 U	7.4 U	8 U	7.6 U	8.2 U	7.4 U	14 U	75 U	33 U	7.3 U	30 U	7.9 U	28 U	39 U	8.3 U	7.2 U	36 UJ	390 U	390 U	370 U	370 U
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	37	72 J	68 J	30	170 J	260 J	25	8.6	19	330	21	1800 J	54 J	19	370	160 J	140	1500 J	220	52	200	1500	3.9 U	2.7 J	14
SVOCs	Phenol	108-95-2	6600	µg/kg	360 U	370 U	430 U	380 U	370 U	370 U	400 U	380 U	400 U	360 U	360 U	1800 U	410 U	360 U	370 U	390 U	350 U	390 U	410 U	360 U	360 U	390 U	390 U	370 U	370 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	170 J	140 J	190 J	94 J	660 J	680 J	36	4.8	5.7	770 J	34	2500	120 J	45	760	220	970	1600	110 J	86 J	350 J	1800	3.9 U	8.5 J+	4.2 J+

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table K - Year 2 SVOC Analytical Data Table

Location					RI-SB-49	RI-SB-49	RI-SB-49	RI-SB-49	RI-SB-50	RI-SB-50	RI-SB-50	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52	RI-SB-52	RI-SB-53	RI-SB-53	RI-SB-53	RI-SB-54	RI-SB-54	RI-SB-54	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55
Sample #					RI-SB-49 (0-0.5)	RI-SB-49 (1-2)	RI-SB-49 (8-9)	RI-SB-49A (0-0.5)	RI-SB-50 (0-0.5)	RI-SB-50 (1-2)	RI-SB-50 (19-20)	RI-SB-51 (0-0.5)	RI-SB-51 (1-2)	RI-SB-51 (9-10)	RI-SB-51 (25-26)	RI-SB-51 (31-32)	RI-SB-52 (0-0.5)	RI-SB-52 (1-2)	RI-SB-52 (2-3)	RI-SB-53 (0-0.5)	RI-SB-53 (1-2)	RI-SB-53 (14-15)	RI-SB-54 (0-0.5)	RI-SB-54 (1-2)	RI-SB-54 (3-4)	RI-SB-55 (0-0.5)	RI-SB-55 (1-2)	RI-SB-55 (8-9)	RI-SB-55 (28.5-29.5)	RI-SB-55 (31-32)	RI-SB-55 (33-34)
Start Depth					0	1	8	0	0	1	19	0	1	9	25	31	0	1	2	0	1	14	0	1	3	0	1	8	28.5	31	33
End Depth					0.5	2	9	0.5	0.5	2	20	0.5	2	10	26	32	0.5	2	3	0.5	2	15	0.5	2	4	0.5	2	9	29.5	32	34
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-49 (0-0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	5/30/2025	5/30/2025	5/30/2025	5/30/2025	5/30/2025	5/22/2025	5/22/2025	5/22/2025	6/2/2025	6/2/2025	6/2/2025	5/21/2025	5/21/2025	5/21/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	**840**	940 U	200 U	**440**	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	**610**	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	68 U	37 U	38 U	72 U	7.6 U	15 U	9.4 U	73 U	29 U	36 U	7.9 U	7.8 U	8.1 U	7.2 U	7.7 U	28 U	30 U	170 U	7.6 U	7.6 U	8.3 U	7.4 U	7.6 U	7.6 U	1.5 J	7.6 U	7.4 U
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**2200 J**	**9.5 J**	38 U	**1200 J**	**1.6 J**	**6.8 J**	**32**	**5.9 J**	**10**	18 U	**2.1 J**	**11**	**6.1**	**4.5**	**5.4**	**5.7 J**	**6.2 J**	**2100 J**	**9.1**	**18**	**6.1**	**3 J**	**5.1**	**28**	**3.1 J**	**2.9 J**	**1.2 J**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	170 U	940 U	200 U	180 U	190 UJ	190 UJ	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 UJ	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 UJ	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	**4100 J**	20 J	11 J	**2200 J**	2.3 J	7.3	34	11 J	18	6.5 J	1.6 J	16	7.7	9.9	11	13 J	14 J	**1400 J**	16	27	11	6.1	9.5	54	4.3	4.4	2 J
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	340 U	1800 U	380 U	360 U	380 UJ	370 UJ	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 UJ	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	340 U	1800 U	380 UJ	360 U	380 UJ	370 UJ	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	340 U	1800 U	380 U	360 U	380 UJ	370 UJ	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 UJ	170 J	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	8500	51	16 J	5000	2.9 J	26	11	17 J	5 J	10 J	3.9 U	3.9 U	2.7 J	2.1 J	2.9 J	13 J	70 J	4400 J	7.1	14 J	3 J	6.8	1.2 J	29	3.8 U	3.8 U	3.6 U
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	200	37 U	38 U	150	15	15	1.8 J	160	5 J	18 U	3.9 U	3.9 U	1.5 J	1.3 J	2 J	14 U	15 U	1100	3.8	3.2 J	1.1 J	1.2 J	1.7 J	7.8	3.8 U	3.8 U	3.6 U
SVOCs	Acetophenone	98-86-2	1160	µg/kg	340 U	1800 U	100 J	360 U	120 J	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	420	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Anthracene	120-12-7	41000	µg/kg	8000	32 J	20 J	4500	17	99	26	430 J	17	7.6 J	3.9 U	3.9 U	8.3	3.1 J	4.3	9.1 J	45 J	8400 J	11	27	12	10	4.1	43 J	3.8 U	3.8 U	3.6 U
SVOCs	Atrazine	1912-24-9	38	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	**5900 J+**	170 J+	40 J+	**4900 J**	**240 J+**	**670 J+**	100 J+	**2300 J+**	210 J+	110 J+	3.9 U	3.9 U	89 J	42	57	100 J+	**770 J+**	**13000 J+**	130 J	200 J	59	92 J	53	**530 J**	1.4 J	2 J	0.86 J
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	**3500**	**220**	47	**2700 J**	**230 J**	**460 J**	82 J	**2500 J**	**220 J**	**180**	2.3 J	2 J	**110 J**	65 J	91 J	**170**	**960 J**	**8100 J**	**190 J**	**250 J**	63	**120 J**	70 J	**650 J**	1.5 J	1.9 J	3.6 U
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	**4700**	280 J	55	**3200**	260	500 J	70 J	**2800**	310 J	220	2.8 J	3.2 J	120 J	90 J	100 J	170 J	1000	**6100 J**	190 J	260 J	62 J	120 J	68 J	660	2.1 J	2.8 J	1.2 J
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	2000	230 J+	82 J	1400	180 J	340	21 J+	2200	150 J	190 J+	6 J+	6.4 J+	82 J	44	70 J	140 J	730	3200	100 J	150 J	19	47	32	330	4.2	4.5	2.3 J
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	5300	190 J+	38 U	2900 J	230	440 J+	59 J+	2100	240	170 J+	3.9 U	3.9 U	83 J	57	78 J	140 J	800	6300	150 J	220	45	89 J	52	500	3.8 U	0.84 J	3.6 U
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	170 U	940 U	200 U	96 J	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	340 UJ	1800 UJ	380 U	360 U	380 UJ	370 UJ	460 U	360 UJ	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 UJ	410 UJ	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Carbazole	86-74-8	**1100**	µg/kg	**2100**	1800 U	380 U	**1100**	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	**3800**	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	6500	210 J	83 J+	4600 J	200	560 J+	83 J	2100	320	140 J	7.9 J+	8.2 J+	92 J	75 J	85 J	120 J+	730 J+	10000 J+	130 J	210	59 J	97 J	55	790	6.9	7.3	5.3
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	**940**	79	11 J	**660 J**	51 J	**130 J**	12	**700**	56 J	63	3.9 U	0.96 J	20	17	23	44	**350 J**	**1500**	38	53	10	18	12	**120 J**	3.8 U	3.8 U	3.6 U
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	**6100**	940 U	200 U	**3400**	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	**6100**	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240	190 U	190 U	170 J	200 U	200 U	200 U	190 U	190 U	180 U	110 J	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	340 U	1800 U	380 U	360 UJ	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 UJ	380 UJ	410 UJ	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Fluoranthene	206-44-0	**5500**	µg/kg	**23000 J**	390 J	93 J	**12000**	320	1200	250	3600	490	210	3.9 U	3.9 U	280	100 J	96 J	120 J	740	**33000 J**	190	360	130 J	190	100 J	470	1.8 J	2.7 J	3.6 U
SVOCs	Fluorene	86-73-7	**5300**	µg/kg	**7100**	12 J	15 J	4200	4.5	40	15	11 J	3.2 J	18 U	3.9 U	2 J	2.7 J	1.3 J	1.5 J	14 U	15	**12000 J**	3.6 J	8.3	5.2	5.4	1.1 J	15	3.8 U	3.8 U	3.6 U
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Hexachlorobenzene	118-74-1	**78**	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	**89 J**	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	**2000**	250	33 J	**1500 J+**	150 J	310	29 J+	**1900**	140 J	190	1.4 J	1.2 J	64 J	49	64 J	120 J+	900 J+	**3300**	96 J	140 J	27	56	37	290	1.1 J	1.2 J	3.6 U
SVOCs	Isophorone	78-59-1	520	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	**1500 J**	**14 J**	38 U	**560**	2.6 J	6.2 J	**18**	**16 J**	**13**	6.4 J	3.9 U	3.8 J	5.8	6.3	7	**7.8 J**	**13 J**	**2500 J**	**12**	**21**	**9.5**	4.5	3.7	**48**	3.8 U	1.5 J	3.6 U
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	170 U	940 U	200 U	180 U	190 U	190 U	240 U	190 U	190 U	180 U	200 U	200 U	200 U	190 U	190 U	180 U	190 U	210 U	190 U	190 U	210 U	190 U	190 U	190 U	190 U	190 U	190 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	68 UJ	74 UJ	77 UJ	72 UJ	7.6 UJ	15 UJ	460 U	37 UJ	15 U	36 U	7.9 U	7.8 U	8 UJ	7.4 UJ	7.6 UJ	350 U	30 UJ	170 U	7.6 U	7.6 U	8.3 U	7.4 U	7.6 UJ	7.6 UJ	7.6 UJ	7.6 UJ	7.4 UJ
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	**26000**	270 J	66	**13000**	76 J	560	140 J	420	140 J	130 J	2.4 J	52 J	87 J	25	33	49 J	240	**37000**	73 J	170 J	58 J	73 J	24	180 J	6.2	6.3	3.6 U
SVOCs	Phenol	108-95-2	6600	µg/kg	340 U	1800 U	380 U	360 U	380 U	370 U	460 U	360 U	360 U	360 U	390 U	390 U	400 U	360 U	370 U	350 U	370 U	410 U	370 U	380 U	410 U	360 U	370 U	370 U	380 U	380 U	360 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	15000	270 J+	82 J+	10000	270 J+	930 J+	200 J	3700	430	150 J	9.5 J+	5.2 J+	220	110 J	98 J	110 J	740 J+	21000	170 J	310	100 J	160 J	87 J	530	4.4	5.3	3.3 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table K - Year 2 SVOC Analytical Data Table

Location					RI-SB-56	RI-SB-56	RI-SB-56	RI-SB-57	RI-SB-57	RI-SB-57	RI-SB-58	RI-SB-58	RI-SB-58	RI-SB-59	RI-SB-59	RI-SB-59	RI-SB-59	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-64	RI-SB-64
Sample #					RI-SB-56 (0-0.5)	RI-SB-56 (1-2)	RI-SB-56 (2-6)	RI-SB-57 (0-0.5)	RI-SB-57 (1-2)	RI-SB-57 (18-19)	RI-SB-58 (0-0.5)	RI-SB-58 (1-2)	RI-SB-58 (18-19)	RI-SB-59 (0-0.5)	RI-SB-59 (1-2)	RI-SB-59 (8-9)	RI-SB-59 (24-25)	RI-SB-61 (0-0.5)	RI-SB-61 (1-2)	RI-SB-61 (7-8)	RI-SB-61 (21-22)	RI-SB-61 (26-27)	RI-SB-61 (36-37)	RI-SB-63 (0-0.5)	RI-SB-63 (1-2)	RI-SB-63 (2-3)	RI-SB-63 (RI-SB-63A (1-2)	RI-SB-64 (0-0.5)	RI-SB-64 (1-2)	RI-SB-64 (2-3)
Start Depth					0	1	2	0	1	18	0	1	18	0	1	8	24	0	1	7	21	26	36	0	1	2	1	0	1	2
End Depth					0.5	2	6	0.5	2	19	0.5	2	19	0.5	2	9	25	0.5	2	8	22	27	37	0.5	2	3	2	0.5	2	3
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-63 (1-2)	-	-	-
Sample Date					5/20/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025	6/5/2025	6/5/2025	6/5/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	5/22/2025	5/22/2025	5/22/2025	5/22/2025	6/10/2025	6/10/2025	6/10/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	7.1 U	7.7 U	7.9 U	**3.2 J**	**3.3 J**	**9.9**	7.4 U	77 U	39 U	7.3 U	7 U	1.6 J	7.4 U	7.8 U	15 U	40 U	7.5 U	7.7 U	88 U	7.8 U	7.9 U	8.2 U	7.9 U	7.4 U	7.8 U	78 UJ
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**29**	**200**	**58**	**140 J**	**30**	**200**	**5.7**	**170**	**650**	**8.6**	**3 J**	**26**	**13**	**2.5 J**	**63 J**	**230**	**49**	3.8 U	**13 J+**	**29**	**30**	**5**	**21**	**42**	**56**	**40**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 UJ	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	46	260	77	220 J	48	180	12	310	**600 J**	19	8.4	37	21	7.3	180 J	270	45	3.8 U	12 J+	47	43	7	31	71 J	98 J	70
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 UJ	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 UJ	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 UJ	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 UJ	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	350 U	380 UJ	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 UJ	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 UJ	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	81 J	280	92 J	39	18	98	6.3	400	150	38	5.8	11	3.6 U	3.8 U	7.1 J	220	25	3.8 U	44 U	2.8 J	41	6.9	18	29	13	28
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	94	18 J	3.8 J	2.9 J	14 J	200 U	0.93 J	38 U	6.9 J	4.6	0.94 J	7.1 J	1.2 J	3.8 U	2.6 J	20	1.5 J	3.8 U	44 U	1.8 J	2.5 J	2.3 J	2.5 J	3.2 J	3.4 J	3.9 J
SVOCs	Acetophenone	98-86-2	1160	µg/kg	130 J	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	120 J	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 UJ	380 UJ	380 UJ
SVOCs	Anthracene	120-12-7	41000	µg/kg	150	940 J	320	17	78 J	94	5.6	1100 J	48 J	230 J	9.6	23	3.6 U	1.4 J	17	340	15	3.8 U	6.2 J+	7.6	94 J	25	37	49 J	17	46 J
SVOCs	Atrazine	1912-24-9	38	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	**860**	**2300 J**	**920 J**	**230 J**	**440 J**	**350**	120 J	**1900 J**	160	**330 J**	200 J	190 J	3.1 J	18	93	**1300 J**	39	3.8 U	18 J+	120 J	**630 J**	99 J	**400 J**	190 J	100 J	**510 J**
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	**1400**	**1700 J**	**720 J**	**350 J**	**340 J**	**420 J**	**170 J**	**1500 J**	**110**	**240 J**	**170 J**	**240 J**	2.6 J	20	94 J	**1300 J**	35	3.8 U	11 J+	**200 J**	**900 J**	100 J	**650 J**	**170 J**	**110 J**	**780 J**
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	**1700**	**1700**	660	340 J+	790 J+	390 J	160 J+	**1300**	120	270	250	260	2.6 J	20	110	**1300 J**	28	3.8 U	44 U	220	**1100**	88 J	630 J	170 J	120 J	890 J
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	910	940	400	330 J+	380 J+	120	130 J+	800 J	37	100 J	120 J	170 J	4.2	12	34	820 J+	13	1.4 J	23 J+	110 J	750	45	370	100 J	87 J	530
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	1500	1600	700	260 J	550 J+	310	150 J+	1100	110 J	230	220	180 J	1.2 J	15	55	880 J	20	3.8 U	44 U	170 J	780	93 J	500	140 J	89 J	580 J
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 UJ	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	180 U	82 J	200 U	260	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 UJ	190 U	200 U	220 U	190 U	81 J	200 U	200 U	190 U	200 U	230
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Carbazole	86-74-8	**1100**	µg/kg	350 U	600	150 J	340 U	370 U	380 U	360 U	440	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	1000	1800	750	220 J	580 J	440	130 J	1500 J	170 J	310 J	240 J	200 J	8.8	25	160 J	1200 J	41	1.9 J	33 J+	150 J	700	100 J	450	170 J	110 J	520
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	**260**	**400**	**160**	90 J+	**120 J+**	60	33	**340 J**	17 J	54	63 J	63 J	3.6 U	4.3 J	14	**250 J+**	5.7 J	3.8 UJ	44 UJ	41	**220**	22	**120 J**	19	12	**160 J**
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	46 J	250	71 J	140 J	190 U	88 J	190 U	**430**	63 J	190 U	180 U	190 U	190 U	200 U	190 U	93 J	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	90 J	190 U	190 U	170 J	250	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	180 U	160 J	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	75 J	200 U	200 U	190 U	200 U	200 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	350 U	380 U	390 U	340 UJ	370 UJ	380 UJ	360 UJ	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 UJ	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Fluoranthene	206-44-0	**5500**	µg/kg	2000	5200	2600	690	1100	1500	140 J	4900	510 J	720	260 J	300	3.3 J	25	240 J	3000	77 J	3.8 U	29 J+	96 J	1600	230	720	390	240	1100
SVOCs	Fluorene	86-73-7	**5300**	µg/kg	57	410	130	24	18	120	2.2 J	750 J	140 J	78 J	1.1 J	8.8	1.5 J	3.8 U	11	260	24	3.8 U	44 U	1.8 J	36	12	13	25	16	26
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Hexachlorobenzene	118-74-1	**78**	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	900	990 J	410 J	230 J+	360 J+	160	100 J+	970 J	45	140 J	160 J	150 J	1.4 J	13	29	620 J+	15	3.8 U	44 U	100 J	650	59	330	74 J	61 J	430
SVOCs	Isophorone	78-59-1	520	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 UJ	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	**38**	**230**	**83 J**	**110**	**27**	**200**	**8.6**	**300**	**1700 J**	**10**	5	**27**	2.6 J	2.8 J	**45**	**330**	**94 J**	3.8 U	44 U	**19**	**34**	**8.6**	**20**	**56**	**49**	**66 J**
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	210 U	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	180 U	200 U	200 U	180 U	190 U	200 U	190 U	200 U	200 U	190 U	180 U	190 U	190 U	200 U	190 U	86 J	190 U	200 U	220 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	29 UJ	77 U	31 U	14 U	38 U	39 UJ	7.4 UJ	77 U	39 U	7.3 UJ	7 UJ	15 U	7.4 UJ	7.8 U	15 UJ	40 UJ	7.5 U	7.7 U	88 U	7.6 UJ	16 UJ	8 UJ	8 UJ	7.4 UJ	7.8 UJ	16 UJ
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	400	**3400 J**	1300	500	330	780	29	**4500**	300	510 J	79 J	130 J	15	11	170 J	1600	100 J	3.1 J	100 J+	55 J	450	120 J	220	210	130 J	310
SVOCs	Phenol	108-95-2	6600	µg/kg	350 U	380 U	390 U	340 U	370 U	380 U	360 U	380 U	380 U	360 U	350 U	370 U	360 U	380 U	380 U	400 U	370 U	380 U	440 U	370 U	390 U	390 U	400 U	370 U	380 U	380 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	2100	4100	2100	410	1300	1200	130 J	3800	430	540 J	260 J	260	6.5	26	230	2600	78 J	1.3 J	38 J+	90 J	1300	190 J	600	350	250	970

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table K - Year 2 SVOC Analytical Data Table

Location					RI-SB-65	RI-SB-65	RI-SB-65	RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-67	RI-SB-67	RI-SB-67	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-69	RI-SB-69	RI-SB-69	RI-SB-70	RI-SB-70	RI-SB-70	RI-SB-71	RI-SB-71	RI-SB-71	RI-SB-72	RI-SB-72	RI-SB-72
Sample #					RI-SB-65 (0-0.5)	RI-SB-65 (1-2)	RI-SB-65 (4-5)	RI-SB-66 (0-0.5)	RI-SB-66 (1-2)	RI-SB-66 (10-11)	RI-SB-66A (0-0.5)	RI-SB-67 (0-0.5)	RI-SB-67 (3-3.5)	RI-SB-67 (4-5)	RI-SB-68 (0-0.5)	RI-SB-68 (2-3)	RI-SB-68 (5-6)	RI-SB-68 (21-22)	RI-SB-68A (21-22)	RI-SB-69 (0-0.5)	RI-SB-69 (1-2)	RI-SB-69 (9-10)	RI-SB-70 (0-0.5)	RI-SB-70 (1-2)	RI-SB-70 (4-5)	RI-SB-71 (0-0.5)	RI-SB-71 (1-2)	RI-SB-71 (8-9)	RI-SB-72 (0-0.5)	RI-SB-72 (1-2)	RI-SB-72 (8-9)
Start Depth					0	1	4	0	1	10	0	0	3	4	0	2	5	21	21	0	1	9	0	1	4	0	1	8	0	1	8
End Depth					0.5	2	5	0.5	2	11	0.5	0.5	3.5	5	0.5	3	6	22	22	0.5	2	10	0.5	2	5	0.5	2	9	0.5	2	9
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	RI-SB-66 (0-0.5)	-	-	-	-	-	-	-	RI-SB-68 (21-22)	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					5/20/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/9/2025	6/9/2025	6/9/2025	6/9/2025	6/9/2025	6/4/2025	6/4/2025	6/4/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	190 U	**180 J**	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	**200**	**75 J**	210 U	200 U	180 U	360 U	**180 J**	200 U	200 UJ	**240**	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	7.4 U	8 U	7.8 U	7.6 U	8.3 U	**2.5 J**	7.4 U	7.4 U	1.7 J	**2.2 J**	38 U	16 U	40 U	8.2 U	**2.2 J**	7 U	36 U	1.6 J	79 U	7.9 U	7.4 U	7.5 U	7.5 U	8.2 UJ	7.2 U	7.3 U	79 U
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	**17**	**920**	**66 J**	**13**	**220**	**51**	**14 J**	**27**	**20**	**57**	**98 J**	**1700**	**980 J**	4 U	3.8 U	**34**	**87**	**1500 J**	**8.7 J**	**2.3 J**	**1200**	**33**	**3.1 J**	**32**	**12**	**4.2**	**20 J**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	190 U	200 U	200 U	190 U	1100 U	170 J	190 U	190 U	200 U	180 UJ	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 UJ
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 UJ	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	26	**1200 J**	110 J	20	160	76	23	55	36	94	140	**2600 J**	**1400 J**	4 U	3.8 U	57	120	**1600 J**	21	4.8	**1600 J**	71	7.1	44	44	11	26 J
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 UJ	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 UJ
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 UJ	370 U	390 U	360 UJ	380 U	390 U	390 U	400 U	380 U	350 U	710 UJ	400 UJ	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 UJ	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 UJ
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 UJ	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 UJ
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	3.7	2600 J	75 J	6.5 J	64	27	7.9 J	15	23 J	82	9.1 J	120 J	60 J	4 U	3.8 U	10	21 J	1700	9.2 J	2 J	66	9.4 J	1.7 J	18	1.6 J	3.6 U	33 J
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	2.9 J	40	5	3.4 J	19 J	5.9 J	4.6 J	4.2	4	11 J	9.7 J	15 J	12 J	4 U	3.8 U	6.9 U	71 U	89	19 U	3.9 U	7.3 U	6.3 J	3.7 U	3.4 J	0.99 J	3.6 U	39 U
SVOCs	Acetophenone	98-86-2	1160	µg/kg	360 U	170 J	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 UJ	390 UJ	390 UJ	400 UJ	380 UJ	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 UJ	360 UJ	390 U
SVOCs	Anthracene	120-12-7	41000	µg/kg	11	4400 J	64 J	13	41	62 J	29	14	11	71	12 J	18 J	110	4 U	3.8 U	4.4 J	26 J	1300 J	20	1.7 J	130 J	34	3.1 J	13	2.4 J	1.9 J	130
SVOCs	Atrazine	1912-24-9	38	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	130 J	**8300**	**350 J**	170 J	**270**	**640 J**	**240 J**	110 J	24	**260**	160	170	**320 J**	4 U	3.8 U	44	110 J+	**1600 J-**	110	22	200 J	170	24	70 J	29	21	**250**
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	**210 J**	**8600**	**530 J**	**200 J**	**290**	**760 J**	**250 J**	**110 J**	15	**270**	**220**	**140**	**170**	4 U	3.8 U	50	94 J+	**1400 J**	**140**	38	**180 J**	**140**	41	69 J	31	37	**230**
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	260 J	**9300**	640	250 J+	340 J	790	310 J	150 J	15	300 J	260	290	370	1.8 J	2.3 J	51 J	120 J+	**1800 J**	260	40	220	420	59 J	70 J	50 J	86 J	240
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	170 J	4900	500	190 J+	100	490	230 J+	73 J	8.4	180 J+	270	170	170	1.8 J	2.2 J	16	140 J+	1000 J+	160 J	21	160 J	170 J	27	27	25	15	160 J
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	160 J	6900	420	180 J+	240	570	270 J+	110 J	9.9	230	200 J	160 J	250 J	4 U	3.8 U	34	43 J+	1100 J	180 J	27	180 J	220	20	41	24	48	170 J
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 UJ	190 U	200 U	180 UJ	190 U	200 U	200 U	210 U	200 U	180 U	360 UJ	210 UJ	200 U	200 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	190 U	200 U	5500	190 U	1100 U	200 U	75 J+	190 U	200 U	180 UJ	190 U	200 U	100 J	210 U	200 U	180 U	360 UJ	210 UJ	170 J	200 U	160 J	85 J	190 U	210 U	180 U	190 U	200 U
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Caprolactam	105-60-2	5000	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Carbazole	86-74-8	**1100**	µg/kg	360 U	**3000**	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	140 J	400 U	380 U	350 U	710 U	520	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Chrysene	218-01-9	110000	µg/kg	140 J	8900	430	190	340 J	670 J	320 J	160 J	29	280	190	280	470 J	3.2 J	4.1	58 J	260 J+	1800 J+	200	34	220	440 J	32	80 J	48	78 J	230
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	59 J	**2000**	**170 J**	52 J+	40 J	**190 J**	73 J+	16	2.7 J	62 J+	**110 J**	74	89	4 U	3.8 U	6.2 J	71 U	**310 J+**	42	8.4	28	54 J	11	11	8.2	5.2	64
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	190 U	**1300**	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	62 J	190 U	130 J	82 J	210 U	200 U	180 U	360 U	**610**	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	82 J	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	190 U	200 U	61 J	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	96 J	200 U	210 U	200 U	180 U	360 U	400	200 U	200 U	57 J	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	360 U	390 U	390 U	380 UJ	2000 U	380 U	370 UJ	370 U	390 U	360 UJ	380 U	390 U	390 U	400 U	380 U	350 U	710 UJ	400 UJ	870	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Fluoranthene	206-44-0	**5500**	µg/kg	200	**26000**	1000	460	830 J	1100	580 J+	340	95 J	680 J+	270	570	790	4 U	3.8 U	140 J	330 J+	**6100 J+**	230	25	480	460	17	140 J	25	110 J	540
SVOCs	Fluorene	86-73-7	**5300**	µg/kg	3.2 J	3200 J	28	5.5 J	87	20	6.1 J	11	25	84	15 J	94	59	4 U	3.8 U	23	25 J	1600 J	19 U	3.9 U	320	18 J	1.3 J	21	1.5 J	0.96 J	60
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Hexachlorobenzene	118-74-1	**78**	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	140 J	**4600**	440	160 J+	120	460	200 J+	67 J	6.9	140	190	160	170	4 U	3.8 U	19	30 J+	790 J+	130	24	120 J	110	24	29	23	19	170
SVOCs	Isophorone	78-59-1	520	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	**27**	**1300 J**	**180 J**	**11**	**77**	**74**	**15**	**73 J**	**73 J**	**170**	**42**	**1600 J**	**1100 J**	4 U	3.8 U	**11**	**34 J**	**1200 J**	**11 J**	2.6 J	**280 J**	**36**	2.9 J	**32**	**14**	4.2	**18 J**
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	190 U	200 U	200 U	190 U	1100 U	200 U	190 U	190 U	200 U	180 U	190 U	200 U	200 U	210 U	200 U	180 U	360 U	210 U	200 U	200 U	190 U	190 U	190 U	190 U	210 U	180 U	190 U	200 U
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	7.4 UJ	80 U	7.8 U	15 UJ	83 UJ	15 UJ	30 UJ	7.4 UJ	7.9 UJ	36 UJ	38 U	79 U	40 U	8.2 U	7.7 U	14 UJ	140 UJ	41 UJ	40 U	7.9 U	15 UJ	38 UJ	7.5 U	8.2 U	7.2 UJ	5.1 J	79 UJ
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	71 J	**22000**	220	93 J	360 J	290	120 J	140 J	150 J	340	110 J	780	920	4 U	2.7 J	130 J	240 J	**7600 J**	58 J	12	**2300 J**	190	15	130 J	22	15	420
SVOCs	Phenol	108-95-2	6600	µg/kg	360 U	390 U	390 U	380 U	2000 U	380 U	370 U	370 U	390 U	360 U	380 U	390 U	390 U	400 U	380 U	350 U	710 U	400 U	390 U	390 U	360 U	370 U	370 U	410 U	350 U	360 U	390 U
SVOCs	Pyrene	129-00-0	26000	µg/kg	170 J	21000	980	350	880 J	910	420 J+	320	65 J	620 J+	270	470	580 J	4 U	1.1 J	140 J	390 J+	6600 J+	200	27	430	410	22	130 J	36	28	450 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table K - Year 2 SVOC Analytical Data Table

Location					RI-SB-73	RI-SB-73	RI-SB-73	RI-SB-73	RI-SB-74	RI-SB-74	RI-SB-74	RI-SB-75	RI-SB-75
Sample #					RI-SB-73 (0-0.5)	RI-SB-73 (1-2)	RI-SB-73 (2.5-3.5)	RI-SB-73A (2.5-3.5)	RI-SB-74 (0-0.5)	RI-SB-74 (1-2)	RI-SB-74 (11-12)	RI-SB-75 (1-2)	RI-SB-75 (4-5)
Start Depth					0	1	2.5	2.5	0	1	11	1	1
End Depth					0.5	2	3.5	3.5	0.5	2	12	2	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	FD	N	N	N	N	N
Parent Sample #					-	-	-	RI-SB-73 (2.5-3.5)	-	-	-	-	-
Sample Date					6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/5/2025	6/5/2025	6/5/2025	5/27/2025	5/27/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	92-52-4	**17.4**	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	**73 J**	200 UJ
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	1.58	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	1,4-Dioxane	123-91-1	**1.88**	µg/kg	36 U	7.9 U	7.7 U	8 U	7.6 U	7.5 U	16 U	8.1 UJ	8.1 UJ
SVOCs	1-Methylnaphthalene	90-12-0	**0.066**	µg/kg	70 U	3.9 U	3.8 U	**1.2 J**	**5.6**	**4.7**	**170 J**	**250 J**	**180 J**
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	360	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2,4,5-Trichlorophenol	95-95-4	8000	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2,4,6-Trichlorophenol	88-06-2	24	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2,4-Dichlorophenol	120-83-2	46	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2,4-Dimethylphenol	105-67-9	840	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2,4-Dinitrophenol	51-28-5	88	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	2,4-Dinitrotoluene	121-14-2	6.4	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2,6-Dinitrotoluene	606-20-2	1.34	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2-Chloronaphthalene	91-58-7	7800	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2-Chlorophenol	95-57-8	178	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2-Methylnaphthalene	91-57-6	**380**	µg/kg	70 U	2.7 J	1.7 J	2.8 J	12	11	230 J	**470 J**	170 J
SVOCs	2-Methylphenol	95-48-7	1500	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	2-Nitroaniline	88-74-4	160	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	2-Nitrophenol	88-75-5	400	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	3,3'-Dichlorobenzidine	91-94-1	16.4	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	3-Nitroaniline	99-09-2	3160	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	4,6-Dinitro-2-Methylphenol	534-52-1	5.2	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	4-Bromophenyl Phenyl Ether	101-55-3	-	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	4-Chloro-3-Methylphenol	59-50-7	280	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	4-Chloroaniline	106-47-8	3.2	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	4-Chlorophenyl Phenyl Ether	7005-72-3	-	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	4-Methylphenol	106-44-5	600	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	4-Nitroaniline	100-01-6	32	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	4-Nitrophenol	100-02-7	5120	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Acenaphthene	83-32-9	8700	µg/kg	70 U	3.9 U	3.8 U	4	2.4 J	3.7 U	44	720 J	27 J
SVOCs	Acenaphthylene	208-96-8	5900	µg/kg	70 U	3.9 U	3.8 U	3.9 U	3.8 U	3.7 U	6.8 J	22 J	6 J
SVOCs	Acetophenone	98-86-2	1160	µg/kg	350 U	390 UJ	380 UJ	390 UJ	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Anthracene	120-12-7	41000	µg/kg	70 U	3.9 U	3.8 U	2.1 J	2.1 J	0.91 J	65	410 J	23 J
SVOCs	Atrazine	1912-24-9	38	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Benzaldehyde	100-52-7	82	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Benzo(a)Anthracene	56-55-3	**220**	µg/kg	65 J	8.1	6.5	31	67 J	8.2	**250 J+**	**410 J**	69 J
SVOCs	Benzo(a)Pyrene	50-32-8	**110**	µg/kg	**120**	9.9	9.5	71 J	**110 J**	9.2	**220 J+**	**310 J**	63 J
SVOCs	Benzo(b)Fluoranthene	205-99-2	**1100**	µg/kg	120	17	11	46	92 J	13	220 J+	350 J	76 J
SVOCs	Benzo(g,h,i)Perylene	191-24-2	2500000	µg/kg	250	11	12	43	74 J	8.7	83 J+	150 J	16 J
SVOCs	Benzo(k)Fluoranthene	207-08-9	11000	µg/kg	82	11	8.8	36	80 J	7.8	170 J+	280 J	49 J
SVOCs	Benzyl Butyl Phthalate	85-68-7	4800	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Bis(2-Chloroethoxy)Methane	111-91-1	26	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Bis(2-Chloroethyl) Ether	111-44-4	0.072	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Bis(2-Ethylhexyl)Phthalate	117-81-7	28000	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Bis-Chloroisopropyl Ether	108-60-1	520	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Caprolactam	105-60-2	5000	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Carbazole	86-74-8	**1100**	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	170 J	390 UJ
SVOCs	Chrysene	218-01-9	110000	µg/kg	98	18	9.7	33	85 J	19	230 J+	360 J	87 J
SVOCs	Dibenzo(a,h)Anthracene	53-70-3	**110**	µg/kg	37 J	4.7	3.6 J	17	20 J	2.9 J	41 J+	55 J	9.3 J
SVOCs	Dibenzofuran	132-64-9	**300**	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	**580 J**	200 UJ
SVOCs	Diethyl Phthalate	84-66-2	2200	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Dimethyl Phthalate	131-11-3	1500000	µg/kg	180 U	200 U	200 U	200 U	190 U	330	190 J	210 UJ	200 UJ
SVOCs	Di-n-Butylphthalate	84-74-2	4600	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Di-n-Octylphthalate	117-84-0	63000	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Fluoranthene	206-44-0	**5500**	µg/kg	100 J	16	13	36	86 J	22	330 J+	1400 J	250 J
SVOCs	Fluorene	86-73-7	**5300**	µg/kg	70 U	3.9 U	3.8 U	3.9 U	3.8 U	3.7 U	55	590 J	22 J
SVOCs	Hexachloro-1,3-Butadiene	87-68-3	5.4	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Hexachlorobenzene	118-74-1	**78**	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Hexachlorocyclopentadiene	77-47-4	180	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Hexachloroethane	67-72-1	4	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Indeno(1,2,3-cd)Pyrene	193-39-5	**1100**	µg/kg	100 J	12	12	52	58	7.2	97 J+	140 J	22 J
SVOCs	Isophorone	78-59-1	520	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Naphthalene	91-20-3	**7.6**	µg/kg	70 U	3.9 U	3.8 U	1.2 J	7.3	3.8	**150 J**	**310 J**	**180 J**
SVOCs	Nitrobenzene	98-95-3	1.84	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	N-Nitroso-Di-N-Propylamine	621-64-7	0.162	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	N-Nitrosodiphenylamine	86-30-6	1340	µg/kg	180 U	200 U	200 U	200 U	190 U	190 U	200 U	210 UJ	200 UJ
SVOCs	Pentachlorophenol	87-86-5	22	µg/kg	140 U	7.9 UJ	7.7 UJ	8 UJ	7.6 U	7.5 U	16 U	8.1 UJ	8 UJ
SVOCs	Phenanthrene	85-01-8	**2100**	µg/kg	70 U	5	5.4	12	21	37	360 J	1900 J	180 J
SVOCs	Phenol	108-95-2	6600	µg/kg	350 U	390 U	380 U	390 U	380 U	370 U	380 U	400 UJ	390 UJ
SVOCs	Pyrene	129-00-0	26000	µg/kg	130	21	14	36	77 J	20	320 J+	1000 J	230 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

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U - Not Detected

Table L - Year 2 Pesticide Analytical Data Table

Location					RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-45	RI-SB-45	RI-SB-46	RI-SB-46	RI-SB-47	RI-SB-47	RI-SB-48	RI-SB-48
Sample #					RI-SB-43 (0-0.5)	RI-SB-43 (1-2)	RI-SB-44 (0-0.5)	RI-SB-44 (1-2)	RI-SB-45 (0-0.5)	RI-SB-45 (1-2)	RI-SB-46 (0-0.5)	RI-SB-46 (1-2)	RI-SB-47 (0-0.5)	RI-SB-47 (1-2)	RI-SB-48 (0-0.5)	RI-SB-48 (1-2)
Start Depth					0	1	0	1	0	1	0	1	0	1	0	1
End Depth					0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.6 U	3.7 U	3.7 U	3.5 U	3.5 U	3.7 U	3.6 U	3.6 U	3.4 U	3.8 U	3.5 U	3.6 U
Pesticides	4,4'-DDE	72-55-9	**220**	µg/kg	39 J	1.9 J	6.1	**250**	6 J	3.7 U	3.6 U	3.6 U	0.46 J	3.8 U	0.8 J	3.6 U
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	6.9	3.7 U	3.6 J	2 J	4.4 J	1.8 J	2.6 J	1.2 J	13 J	1.1 J	1.3 J	3.6 U
Pesticides	Aldrin	309-00-2	3	µg/kg	1.9 U	1.9 U	1 J	1.8 U	2.3 J	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.8 U	1.9 U
Pesticides	Alpha-BHC	319-84-6	**0.84**	µg/kg	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.7 J	0.29 J	1.8 U	1.9 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.8 U	1.9 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	1.9 U	1.9 U	0.43 J	1.8 U	0.67 J	1.9 U	1.9 U	1.8 U	0.31 J	2 U	1.8 U	1.9 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.8 U	1.9 U
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	3.6 U	3.7 U	**3.3 J**	3.5 U	**6.4 J**	3.7 U	**1.9 J**	0.51 J	**11 J**	0.64 J	0.84 J	3.6 U
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	1.9 U	1.9 U	0.57 J	1.8 U	1.2 J	1.9 U	1.9 U	1.8 U	0.63 J	2 U	1.8 U	1.9 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	3.6 U	3.7 U	3.7 U	3.5 U	3.5 U	3.7 U	3.6 U	3.6 U	1.3 J	3.8 U	3.5 U	3.6 U
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	3.6 U	3.7 U	3.7 U	3.5 U	3.5 U	3.7 U	3.6 U	1.8 J	0.89 J	1.6 J	3.5 U	3.6 U
Pesticides	Endrin	72-20-8	1620	µg/kg	3.6 U	3.7 U	1.5 J	3.5 U	1.6 J	3.7 U	1.2 J	0.56 J	4.6 J	0.53 J	3.5 U	3.6 U
Pesticides	Endrin Aldehyde	7421-93-4	**10.5**	µg/kg	3.6 U	3.7 U	3.7 U	3.5 U	3.5 U	3.7 U	3.6 U	3.6 U	3.4 U	2.3 J	3.5 U	3.6 U
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	3.6 U	3.7 U	3.7 U	1 J	3.5 U	1.4 J	3.6 U	1.3 J	1.4 J	3.8 U	3.5 U	3.6 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 UJ	1.8 U	2 U	1.8 U	1.9 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	1.9 U	1.9 U	1.9 U	0.72 J	1.8 U	0.71 J	1.9 U	1.8 U	1.8 U	2 U	1.8 U	1.9 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	0.23 J	0.26 J	0.82 J	4.4 J	1.6 J	0.31 J	0.27 J	1.8 U	1.4 J	2 U	0.22 J	1.9 U
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	19 U	19 U	19 U	18 U	18 U	19 U	19 U	18 U	18 U	20 U	18 U	19 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	190 U	190 U	190 U	180 U	180 U	190 U	190 U	180 U	180 U	200 U	180 U	190 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.8 U	1.9 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table L - Year 2 Pesticide Analytical Data Table

Location					RI-SB-49	RI-SB-49	RI-SB-49	RI-SB-50	RI-SB-50	RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52	RI-SB-53	RI-SB-53	RI-SB-54
Sample #					RI-SB-49 (0-0.5)	RI-SB-49 (1-2)	RI-SB-49A (0-0.5)	RI-SB-50 (0-0.5)	RI-SB-50 (1-2)	RI-SB-51 (0-0.5)	RI-SB-51 (1-2)	RI-SB-52 (0-0.5)	RI-SB-52 (1-2)	RI-SB-53 (0-0.5)	RI-SB-53 (1-2)	RI-SB-54 (0-0.5)
Start Depth					0	1	0	0	1	0	1	0	1	0	1	0
End Depth					0.5	2	0.5	0.5	2	0.5	2	0.5	2	0.5	2	0.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	FD	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	RI-SB-49 (0-0.5)	-	-	-	-	-	-	-	-	-
Sample Date					6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	5/30/2025	5/30/2025	5/22/2025	5/22/2025	6/2/2025	6/2/2025	5/21/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	0.46 J	3.7 U	0.41 J	0.41 J	0.45 J	3.5 U	3.6 U	4 U	3.6 U	3.5 U	3.6 U	3.7 U
Pesticides	4,4'-DDE	72-55-9	**220**	µg/kg	3.5 U	3.7 U	0.55 J	3.8 U	3.6 U	3.5 U	5.5 J	0.53 J	3.2 J	0.52 J	3.6 U	6.4
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	8.4 J	0.91 J	10 J	3.8 U	1.2 J	6.1 J	37 J	1.8 J	2.6 J	3.5 J	3.6 U	5.7 J
Pesticides	Aldrin	309-00-2	3	µg/kg	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	0.49 J	2 U	1.5 J	1.8 U	1.9 U	1.9 U
Pesticides	Alpha-BHC	319-84-6	**0.84**	µg/kg	1.8 U	0.25 J	0.22 J	1.9 U	1.9 U	1.8 U	**3.7 J**	2 U	1.9 U	0.32 J	1.9 U	1.9 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.9 U	1.9 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	1.8 U	1.9 U	0.34 J	1.9 U	0.31 J	1.8 U	1.8 U	2 U	0.29 J	0.24 J	1.9 U	1.9 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.9 U	1.9 U
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	1.4 J	3.7 U	**1.8 J**	3.8 U	3.6 U	**3 J**	1.4 J	0.83 J	**2.1 J**	**2.3 J**	3.6 U	**4.4 J**
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	0.74 J	1.9 U	0.69 J	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.9 U	1.9 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	1.4 J	3.7 U	1.5 J	3.8 U	3.6 U	3.5 U	3.6 U	4 U	3.6 U	3.5 U	3.6 U	3.7 U
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	1.8 J	3.7 U	1.2 J	3.8 U	3.6 U	0.84 J	3.6 U	4 U	3.6 U	3.5 U	3.6 U	3.7 U
Pesticides	Endrin	72-20-8	1620	µg/kg	3.7 J	3.7 U	0.96 J	3.8 U	3.6 U	1.5 J	0.7 J	0.51 J	1 J	0.61 J	3.6 U	2 J
Pesticides	Endrin Aldehyde	7421-93-4	**10.5**	µg/kg	4.7 J	3.7 U	5.5 J	3.8 U	3.6 U	5.5 J	**54 J**	4 U	2.5 J	3.5 U	3.6 U	3.6 J
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	21 J	3.7 U	23 J	3.8 U	1.1 J	7	0.97 J	4 U	3.6 U	3.5 U	1.7 J	3.7 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	1.8 U	0.19 J	1.8 U	1.9 U	1.9 U	1.8 U	0.65 J	2 U	0.2 J	1.8 U	1.9 U	1.9 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	0.86 J	1.9 U	0.85 J	1.9 U	1.9 U	1.8 U	3.3 J	2 U	1.2 J	1.8 U	1.9 U	1.9 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	1.8 U	1.9 U	1.8 U	1.9 U	1.9 U	1.8 U	0.98 J	2 U	0.58 J	0.33 J	1.9 U	0.38 J
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	6.8 J	19 U	7.6 J	19 U	19 U	18 U	18 U	20 U	19 U	18 U	19 U	19 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	180 U	190 U	180 U	190 U	190 U	180 U	180 U	200 U	190 U	180 U	190 U	190 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	2.1 J	1.9 U	2.1 J	1.9 U	1.9 U	0.7 J	1.1 J	2 U	1.9 U	1.8 U	1.9 U	1.9 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

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U - Not Detected

Table L - Year 2 Pesticide Analytical Data Table

Location					RI-SB-54	RI-SB-55	RI-SB-55	RI-SB-56	RI-SB-56	RI-SB-57	RI-SB-57	RI-SB-58	RI-SB-58	RI-SB-59	RI-SB-59	RI-SB-61
Sample #					RI-SB-54 (1-2)	RI-SB-55 (0-0.5)	RI-SB-55 (1-2)	RI-SB-56 (0-0.5)	RI-SB-56 (1-2)	RI-SB-57 (0-0.5)	RI-SB-57 (1-2)	RI-SB-58 (0-0.5)	RI-SB-58 (1-2)	RI-SB-59 (0-0.5)	RI-SB-59 (1-2)	RI-SB-61 (0-0.5)
Start Depth					1	0	1	0	1	0	1	0	1	0	1	0
End Depth					2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					5/21/2025	6/3/2025	6/3/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/5/2025	6/5/2025	6/3/2025	6/3/2025	6/6/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.7 U	3.6 U	3.7 U	3.6 U	0.42 J	3.4 U	0.83 J	3.7 U	3.7 U	3.6 U	3.6 U	4 U
Pesticides	4,4'-DDE	72-55-9	**220**	µg/kg	3.7 U	0.46 J	3.7 U	3.6 U	3.7 U	3.4 U	0.98 J	6 J	1.5 J	0.98 J	3.6 U	4 U
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	4.4 J	1.1 J	1.1 J	1.6 J	1.9 J	3.4 J	11 J	40	17 J	1.3 J	1.1 J	4 U
Pesticides	Aldrin	309-00-2	3	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.7 U	0.41 J	0.32 J	0.27 J	1.9 U	1.8 U	2 U
Pesticides	Alpha-BHC	319-84-6	**0.84**	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.7 U	1.9 U	0.83 J	**5.8 J**	1.9 U	0.29 J	2 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2.6 J	1.1 J	1.9 U	1.9 U	1.9 U	1.8 U	2 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	1.9 U	0.31 J	0.39 J	1.9 U	1.9 U	1.7 U	0.75 J	0.38 J	1.9 U	1.9 U	1.8 U	2 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.7 U	1.9 U	1.9 U	**1.3 J**	1.9 U	1.8 U	2 U
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	**1.8 J**	1.4 J	0.94 J	1.4 J	0.46 J	1.1 J	1.2 J	1 J	**5.1 J**	0.69 J	3.6 U	4 U
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.7 U	0.56 J	1.9 U	0.51 J	1.9 U	1.8 U	2 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	3.7 U	3.6 U	3.7 U	3.6 U	3.7 U	3.4 U	3.7 U	3.7 U	3.7 U	3.6 U	3.6 U	4 U
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	3.7 U	3.6 U	3.7 U	2.4 J	3.7 U	3.4 U	2.8 J	3.7 U	0.7 J	3.6 U	3.6 U	4 U
Pesticides	Endrin	72-20-8	1620	µg/kg	1.1 J	3.6 U	0.64 J	0.48 J	1.5 J	0.72 J	3.5 J	3.7 U	2.4 J	3.6 U	3.6 U	4 U
Pesticides	Endrin Aldehyde	7421-93-4	**10.5**	µg/kg	2.9 J	3.6 U	3.7 U	3.6 U	3.7 U	3.4 U	2.2 J	**49**	**23 J**	3.6 U	3.6 U	4 U
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	3.7 U	3.6 U	3.7 U	1 J	3 J	3.4 U	2.9 J	3.7 U	1.6 J	3.6 U	3.6 U	4 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.7 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.7 U	1.9 U	1.7 J	3.1 J	1.9 U	1.8 U	2 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	1.9 U	1.8 U	0.23 J	1.9 U	0.24 J	1.7 U	0.51 J	1.2 J	1.1 J	0.23 J	1.8 U	2 U
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	19 U	18 U	19 U	19 U	19 U	17 U	5.5 J	19 U	19 U	19 U	18 U	20 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	190 U	180 U	190 U	190 U	190 U	170 U	190 U	190 U	190 U	190 U	180 U	200 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	1.9 U	1.8 U	1.9 U	1.9 U	0.6 J	1.7 U	1.2 J	1 J	1.9 J	1.9 U	1.8 U	2 U

Notes:

1. Identifies results that exceed the listed PAL value

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Table L - Year 2 Pesticide Analytical Data Table

Location					RI-SB-61	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-64	RI-SB-65	RI-SB-65	RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-67
Sample #					RI-SB-61 (1-2)	RI-SB-63 (0-0.5)	RI-SB-63 (1-2)	RI-SB-63A (1-2)	RI-SB-64 (0-0.5)	RI-SB-64 (1-2)	RI-SB-65 (0-0.5)	RI-SB-65 (1-2)	RI-SB-66 (0-0.5)	RI-SB-66 (1-2)	RI-SB-66A (0-0.5)	RI-SB-67 (0-0.5)
Start Depth					1	0	1	1	0	1	0	1	0	1	0	0
End Depth					2	0.5	2	2	0.5	2	0.5	2	0.5	2	0.5	0.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	FD	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	RI-SB-66 (0-0.5)	-
Sample Date					6/6/2025	5/22/2025	5/22/2025	5/22/2025	6/10/2025	6/10/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.8 U	3.7 U	3.9 U	4 U	3.7 U	3.9 U	3.7 U	3.8 U	3.7 U	0.88 J	3.7 U	3.7 U
Pesticides	4,4'-DDE	72-55-9	**220**	µg/kg	0.55 J	0.68 J	0.41 J	0.4 J	3.7 U	3.9 U	3.7 U	3.8 U	3.7 U	1.9 J	0.44 J	0.55 J
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	1.8 J	2.3 J	0.79 J	0.73 J	5.8 J	3.9 U	0.83 J	0.8 J	1.5 J	2.5 J	2.1 J	2.1 J
Pesticides	Aldrin	309-00-2	3	µg/kg	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	0.3 J
Pesticides	Alpha-BHC	319-84-6	**0.84**	µg/kg	1.9 U	1.9 U	2 U	2 U	0.24 J	2 U	1.9 U	2 U	1.9 U	0.34 J	1.9 U	1.9 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	0.33 J	0.34 J	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	0.81 J	**2.8 J**	0.94 J	0.91 J	1.1 J	3.9 U	3.7 U	3.8 U	1.4 J	**2.8 J**	**2 J**	**1.7 J**
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	3.8 U	3.7 U	3.9 U	4 U	3.7 U	3.9 U	3.7 U	3.8 U	3.7 U	3.9 U	3.7 U	3.7 U
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	3.8 U	3.7 U	3.9 U	4 U	3.7 U	3.9 U	0.83 J	3.8 U	3.7 U	3.9 U	3.7 U	3.7 U
Pesticides	Endrin	72-20-8	1620	µg/kg	0.77 J	3.7 U	3.9 U	4 U	3.7 U	3.9 U	3.7 U	0.49 J	0.44 J	3.9 U	0.77 J	0.69 J
Pesticides	Endrin Aldehyde	7421-93-4	**10.5**	µg/kg	2.8 J	3.7 U	3.9 U	4 U	10	3.9 U	3.7 U	3.8 U	3.7 U	3.9 U	3.7 U	3.7 U
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	2.2 J	3.7 U	3.9 U	4 U	3.7 U	3.9 U	3.7 U	1.9 J	1.1 J	3.9 U	1.3 J	3.7 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	0.24 J	0.35 J	2 U	2 U	1.9 U	2 U	1.9 U	2 U	1.9 U	0.33 J	1.9 U	0.26 J
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	19 U	19 U	20 U	20 U	19 U	20 U	19 U	20 U	19 U	20 U	19 U	19 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	190 U	190 U	200 U	200 U	190 U	200 U	190 U	200 U	190 U	200 U	190 U	190 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	1.9 U	1.9 U	2 U	2 U	1.9 U	0.57 J	1.9 U	2 U	1.9 U	2 U	1.9 U	1.9 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
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J+ - The result is an estimated quantity, but the results may be biased high
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U - Not Detected

Table L - Year 2 Pesticide Analytical Data Table

Location					RI-SB-67	RI-SB-68	RI-SB-68	RI-SB-69	RI-SB-69	RI-SB-70	RI-SB-70	RI-SB-71	RI-SB-71	RI-SB-72	RI-SB-72	RI-SB-73
Sample #					RI-SB-67 (3-3.5)	RI-SB-68 (0-0.5)	RI-SB-68 (2-3)	RI-SB-69 (0-0.5)	RI-SB-69 (1-2)	RI-SB-70 (0-0.5)	RI-SB-70 (1-2)	RI-SB-71 (0-0.5)	RI-SB-71 (1-2)	RI-SB-72 (0-0.5)	RI-SB-72 (1-2)	RI-SB-73 (0-0.5)
Start Depth					3	0	2	0	1	0	1	0	1	0	1	0
End Depth					3.5	0.5	3	0.5	2	0.5	2	0.5	2	0.5	2	0.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/4/2025	6/9/2025	6/9/2025	6/4/2025	6/4/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.7 U	4 U	1.1 J	3.5 U	3.4 U	0.41 J	3.8 U	3.6 U	3.7 U	3.7 U	3.7 U	3.6 U
Pesticides	4,4'-DDE	72-55-9	**220**	µg/kg	3.7 U	0.7 J	6.3	3.5 U	1.4 J	4 U	1.4 J	0.69 J	3.7 U	3.7 U	3 J	3.6 U
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	3.7 U	5.2 J	3.4 J	3.5 U	2.5 J	1.5 J	0.71 J	1.8 J	3.7 U	1.1 J	3.8 J	3.6 U
Pesticides	Aldrin	309-00-2	3	µg/kg	1.9 U	2 U	0.7 J	1.8 U	2.7	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
Pesticides	Alpha-BHC	319-84-6	**0.84**	µg/kg	1.9 U	2 U	0.72 J	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.9 U	1.9 U	0.29 J	1.9 U
Pesticides	Beta-BHC	319-85-7	3	µg/kg	1.9 U	2 U	2 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.1 J	1.9 U
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	1.9 U	2 U	0.77 J	1.8 U	0.8 J	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	1.9 U	2 U	2 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	3.7 U	**6.2 J**	**1.8 J**	3.5 U	0.89 J	1.2 J	0.61 J	0.78 J	3.7 U	0.56 J	**2.8 J**	3.6 U
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	1.9 U	2 U	2 U	1.8 U	0.93 J	2 U	1.9 U	0.46 J	1.9 U	1.9 U	1.9 U	1.9 U
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	3.7 U	4 U	3.9 U	3.5 U	3.4 U	4 U	3.8 U	3.6 U	3.7 U	3.7 U	3.7 U	3.6 U
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	3.7 U	4 U	3.9 U	3.5 U	1.2 J	4 U	3.8 U	3.6 U	3.7 U	3.7 U	3.7 U	3.6 U
Pesticides	Endrin	72-20-8	1620	µg/kg	3.7 U	2.4 J	0.59 J	3.5 U	1.2 J	4 U	3.8 U	3.6 U	3.7 U	3.7 U	0.89 J	3.6 U
Pesticides	Endrin Aldehyde	7421-93-4	**10.5**	µg/kg	3.7 U	3.5 J	3.9 U	3.5 U	4.3	2.7 J	3.8 U	3.1 J	3.7 U	3.7 U	3.5 J	3.6 U
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	3.7 U	4 U	3.9 U	3.5 U	3.9	4 U	3.8 U	4.9	3.7 U	3.7 U	3.7 U	3.6 U
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	1.9 U	2 U	0.23 J	1.8 U	0.28 J	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
Pesticides	Heptachlor	76-44-8	130	µg/kg	1.9 U	2 U	2 U	1.8 U	1.2 J	2 U	1.9 U	1.8 U	1.9 U	1.9 U	0.79 J	1.9 U
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	1.9 U	0.6 J	1.8 J	1.8 U	0.43 J	2 U	1.9 U	1.8 U	1.9 U	1.9 U	0.65 J	1.9 U
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	19 U	20 U	20 U	18 U	18 U	20 U	19 U	18 U	19 U	19 U	19 U	19 U
Pesticides	Toxaphene	8001-35-2	490	µg/kg	190 U	200 U	200 U	180 U	180 U	200 U	190 U	180 U	190 U	190 U	190 U	190 U
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	1.9 U	1 J	0.96 J	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

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Table L - Year 2 Pesticide Analytical Data Table

Location					RI-SB-73	RI-SB-74	RI-SB-74	RI-SB-75
Sample #					RI-SB-73 (1-2)	RI-SB-74 (0-0.5)	RI-SB-74 (1-2)	RI-SB-75 (4-5)
Start Depth					1	0	1	1
End Depth					2	0.5	2	2
Depth Unit					ft	ft	ft	ft
Sample Type					N	N	N	N
Parent Sample #					-	-	-	-
Sample Date					6/10/2025	6/5/2025	6/5/2025	5/27/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results
Pesticides	4,4'-DDD	72-54-8	150	µg/kg	3.8 U	3.8 U	3.8 U	4 UJ
Pesticides	4,4'-DDE	72-55-9	**220**	µg/kg	0.43 J	3.8 U	3.8 U	4 UJ
Pesticides	4,4'-DDT	50-29-3	1540	µg/kg	0.83 J	1.1 J	3.8 U	4 UJ
Pesticides	Aldrin	309-00-2	3	µg/kg	2 U	0.24 J	2 U	2.1 UJ
Pesticides	Alpha-BHC	319-84-6	**0.84**	µg/kg	2 U	1.9 U	2 U	2.1 UJ
Pesticides	Beta-BHC	319-85-7	3	µg/kg	2 U	1.9 U	2 U	2.1 UJ
Pesticides	cis-Chlordane	5103-71-9	980	µg/kg	2 U	1.9 U	2 U	2.1 UJ
Pesticides	Delta-BHC	319-86-8	**0.0084**	µg/kg	2 U	1.9 U	2 U	2.1 UJ
Pesticides	Dieldrin	60-57-1	**1.42**	µg/kg	3.8 U	3.8 U	3.8 U	4 UJ
Pesticides	Endosulfan I	959-98-8	2800	µg/kg	2 U	1.9 U	2 U	2.1 UJ
Pesticides	Endosulfan II	33213-65-9	2800	µg/kg	3.8 U	3.8 U	3.8 U	4 UJ
Pesticides	Endosulfan Sulfate	1031-07-8	4200	µg/kg	3.8 U	3.8 U	3.8 U	4 UJ
Pesticides	Endrin	72-20-8	1620	µg/kg	3.8 U	3.8 U	3.8 U	4 UJ
Pesticides	Endrin Aldehyde	7421-93-4	**10.5**	µg/kg	3.8 U	3.8 U	3.8 U	4 UJ
Pesticides	Endrin Ketone	53494-70-5	-	µg/kg	3.8 U	3.8 U	3.8 U	4 UJ
Pesticides	Gamma-BHC (Lindane)	58-89-9	5.7	µg/kg	2 U	1.9 U	2 U	2.1 UJ
Pesticides	Heptachlor	76-44-8	130	µg/kg	2 U	1.9 U	2 U	2.1 UJ
Pesticides	Heptachlor Epoxide	1024-57-3	70	µg/kg	2 U	0.28 J	2 U	2.1 UJ
Pesticides	Methoxychlor	72-43-5	16000	µg/kg	20 U	19 U	20 U	21 UJ
Pesticides	Toxaphene	8001-35-2	490	µg/kg	200 U	190 U	200 U	210 UJ
Pesticides	trans-Chlordane	5103-74-2	2800	µg/kg	2 U	1.9 U	2 U	2.1 UJ

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

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Table M - Year 2 Dioxin/Furans Analytical Data Table

Location					RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-45	RI-SB-45	RI-SB-46	RI-SB-46	RI-SB-47	RI-SB-47	RI-SB-48
Sample #					RI-SB-43 (0-0.5)	RI-SB-43 (1-2)	RI-SB-44 (0-0.5)	RI-SB-44 (1-2)	RI-SB-45 (0-0.5)	RI-SB-45 (1-2)	RI-SB-46 (0-0.5)	RI-SB-46 (1-2)	RI-SB-47 (0-0.5)	RI-SB-47 (1-2)	RI-SB-48 (0-0.5)
Start Depth					0	1	0	1	0	1	0	1	0	1	0
End Depth					0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-
Sample Date					5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	ng/kg	1.1 U	1.1 U	1.1 U	1.1 U	0.92 J	1.1 U	0.52 J	1.4	1.1	2.6	5.7 U
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	ng/kg	5.5 U	5.6 U	5.7 U	5.6 U	2.6 J	5.4 U	2.2 J	**6**	**5.3 J**	**12**	28 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	ng/kg	**10**	5.6 U	3.1 J	5.6 U	2.8 J	5.4 U	2.6 J	**4 J**	**7.3**	**9.6**	28 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	ng/kg	**9**	5.6 U	**14**	5.6 U	**13**	5.4 U	**12**	**42**	**61**	**38**	28 U
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	ng/kg	**4.1 J**	5.6 U	**9.1 J**	5.6 U	**8.7**	5.4 U	**7.2**	**18**	**23**	**18**	28 U
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	ng/kg	**640**	**8**	**190**	**9.7**	**300**	**10**	**150**	**200 J**	**1100**	**190**	**24 J**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	ng/kg	**1900**	**21**	**1000**	**28**	**2700**	**48**	**1200**	**970**	**9000**	**2100**	**180**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	ng/kg	0.7 J	1.1 U	1.1 U	1.5	**11**	1.6	**6.6**	1.1 U	**7.8**	**17**	**3.9 J**
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	ng/kg	5.5 U	5.6 U	5.7 U	5.6 U	5.3 U	5.4 U	2.3 J	5.5 U	**4.6 J**	6 U	28 U
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	ng/kg	5.5 U	5.6 U	**18**	5.6 U	**13**	5.4 U	**9.4**	**38**	**20**	**56**	28 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	ng/kg	5.5 U	5.6 U	**18**	5.6 U	**8.2**	5.4 U	**7.3**	**27**	**22**	**97**	28 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	ng/kg	5.5 U	5.6 U	**7.6 J**	5.6 U	**4.8 J**	5.4 U	**4.2 J**	**16**	**8.9**	**35**	28 U
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	ng/kg	5.5 U	5.6 UJ	5.7 U	5.6 R	5.3 U	5.4 UJ	**3.7 J**	**28**	**7.3**	6 U	28 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	ng/kg	5.5 U	5.6 U	**14**	5.6 U	**7.2**	5.4 U	**6.5**	**26**	**17**	**46**	28 U
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	ng/kg	**24**	5.6 U	**57**	5.6 U	**35**	**3.2 J**	**38**	**1600**	**170**	**910**	28 U
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	ng/kg	2.2 J	5.6 R	**5.8**	5.6 R	3 J	5.4 R	2.7 J	**11**	**9.7**	**27**	28 U
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	ng/kg	**71 J**	**24 J**	**92**	11 R	**56**	**23 J**	**62**	**650**	**430**	**360**	57 U

Notes:

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Table M - Year 2 Dioxin/Furans Analytical Data Table

Location					RI-SB-49	RI-SB-49	RI-SB-49	RI-SB-50	RI-SB-50	RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52	RI-SB-53	RI-SB-53
Sample #					RI-SB-49 (0-0.5)	RI-SB-49 (1-2)	RI-SB-49A (0-0.5)	RI-SB-50 (0-0.5)	RI-SB-50 (1-2)	RI-SB-51 (0-0.5)	RI-SB-51 (1-2)	RI-SB-52 (0-0.5)	RI-SB-52 (1-2)	RI-SB-53 (0-0.5)	RI-SB-53 (1-2)
Start Depth					0	1	0	0	1	0	1	0	1	0	1
End Depth					0.5	2	0.5	0.5	2	0.5	2	0.5	2	0.5	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	FD	N	N	N	N	N	N	N	N
Parent Sample #					-	-	RI-SB-49 (0-0.5)	-	-	-	-	-	-	-	-
Sample Date					6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	5/30/2025	5/30/2025	5/22/2025	5/22/2025	6/2/2025	6/2/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	ng/kg	1 U	1 U	10 U	1.8	0.76 J	0.92 J	0.45 J	0.48 J	0.35 J	1 U	1.1 U
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	ng/kg	2.4 J	5.2 U	51 U	5.3 U	5.1 U	**4.3 J**	5.4 U	6 U	5.5 U	5.1 U	5.6 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	ng/kg	2.6 J	5.2 U	51 U	5.3 U	5.1 U	**5.3 J**	5.4 U	6 U	5.5 U	2 J	5.6 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	ng/kg	**7.3**	5.2 U	51 U	5.3 U	5.1 U	**31**	**14**	**9.5**	**20**	**6.4**	3.1 J
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	ng/kg	**5.7**	5.2 U	51 U	5.3 U	5.1 U	**16**	**6.4**	**5.4 J**	**8.3**	**3.9 J**	**4.1 J**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	ng/kg	**230**	**12**	**200**	**4.3 J**	2.3 J	**610**	**170**	**120**	**170**	**130**	**34**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	ng/kg	**2100**	**47**	**1500**	**110**	**57**	**10000**	**1400**	**620**	**740**	**1100**	**99**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	ng/kg	1 U	**6.3**	10 U	1.1 U	1 U	**6.9 J**	**3.4 J**	3.1	**4.2**	**7.4**	2.7
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	ng/kg	2.4 J	2.4 J	51 U	5.3 U	5.1 U	5.4 U	5.4 U	6 U	5.5 U	5.1 U	5.6 U
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	ng/kg	**7**	**4.6 J**	51 U	5.3 U	5.1 U	**10**	**7.2**	**7.6**	**8.8**	**7.1**	2.5 J
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	ng/kg	**9.4**	**3.2 J**	51 U	5.3 U	5.1 U	**7.6**	**9.7**	**4.3 J**	**6**	**6**	5.6 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	ng/kg	**4.2 J**	5.2 U	51 U	5.3 U	5.1 U	**5 J**	**3.7 J**	**3.6 J**	3.1 J	**4 J**	5.6 U
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	ng/kg	5.2 U	5.2 R	51 U	5.3 U	5.1 U	5.4 U	**5.4**	6 U	5.5 U	5.1 U	5.6 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	ng/kg	**5.8**	5.2 U	51 U	5.3 U	5.1 U	**7.6**	**4.8 J**	**4.7 J**	**5.9**	**5.1**	2.6 J
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	ng/kg	**49**	2.4 J	**35 J**	5.3 U	5.1 U	**80**	**61**	**48**	**54**	**30**	**6.4**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	ng/kg	**3.7 J**	5.2 R	51 U	5.3 U	5.1 U	**3.9 J**	2.3 J	6 U	5.5 U	2.8 J	5.6 R
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	ng/kg	**120**	**19 J**	**87 J**	11 U	10 U	**210**	**64**	**43**	**84**	**63**	**15**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
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J - The identification of the analyte is acceptable; the reported value is an estimate
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U - Not Detected

Table M - Year 2 Dioxin/Furans Analytical Data Table

Location					RI-SB-54	RI-SB-54	RI-SB-55	RI-SB-55	RI-SB-56	RI-SB-56	RI-SB-57	RI-SB-57
Sample #					RI-SB-54 (0-0.5)	RI-SB-54 (1-2)	RI-SB-55 (0-0.5)	RI-SB-55 (1-2)	RI-SB-56 (0-0.5)	RI-SB-56 (1-2)	RI-SB-57 (0-0.5)	RI-SB-57 (1-2)
Start Depth					0	1	0	1	0	1	0	1
End Depth					0.5	2	0.5	2	0.5	2	0.5	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-
Sample Date					5/21/2025	5/21/2025	6/3/2025	6/3/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	ng/kg	1.1 J	0.5 J	1.1 U	1.1 U	2.9	4.7	0.26 J	0.33 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	ng/kg	**5.1 J**	2.4 J	5.3 U	5.4 U	**19**	**22**	5 U	5.6 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	ng/kg	**5.1 J**	5.5 U	5.3 U	5.4 U	**17**	**16**	5 U	5.6 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	ng/kg	**28**	**17**	2.5 J	5.4 U	**210**	**220**	**3.4 J**	**7.1**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	ng/kg	**12**	**6.6**	5.3 U	5.4 U	**75**	**90**	2.4 J	**3.7 J**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	ng/kg	**210**	**130 J**	**18**	**9.2**	**710**	**750**	**52**	**48**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	ng/kg	**1200**	**740 J**	**150**	**48**	**690**	**770**	**350**	**210**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	ng/kg	**5**	2.8 J	1.1 U	1.1 U	**5.4**	**8.9 J**	**3.7**	1.4 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	ng/kg	**6.5**	2.8 J	5.3 U	5.4 U	5.6 U	5.6 U	5 U	5.6 U
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	ng/kg	**20**	**11**	2.6 J	2.2 J	**33**	**39**	**6.6**	**7.1**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	ng/kg	**16**	**14**	5.3 U	5.4 U	**52**	**97**	**3.6 J**	**6.5**
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	ng/kg	**14**	**6.3**	5.3 U	5.4 U	**22**	**24**	2.6 J	**3.2 J**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	ng/kg	**5.7**	**4.1 J**	5.3 U	5.4 U	5.6 U	5.6 U	5 U	5.6 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	ng/kg	**14**	**9.6**	5.3 U	5.4 U	**35**	**40**	**3.9 J**	**5.4 J**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	ng/kg	**230**	**650**	**5.4 J**	**3.2 J**	**1000**	**650**	**24**	**46**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	ng/kg	**9.1**	**6.4**	5.3 U	5.4 U	**18**	**20**	5 U	5.6 U
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	ng/kg	**230**	**340 J**	**6.3 J**	11 U	**580**	**380**	**32**	**32**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
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J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table M - Year 2 Dioxin/Furans Analytical Data Table

Location					RI-SB-58	RI-SB-58	RI-SB-59	RI-SB-59	RI-SB-61	RI-SB-61	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-64
Sample #					RI-SB-58 (0-0.5)	RI-SB-58 (1-2)	RI-SB-59 (0-0.5)	RI-SB-59 (1-2)	RI-SB-61 (0-0.5)	RI-SB-61 (1-2)	RI-SB-63 (0-0.5)	RI-SB-63 (1-2)	RI-SB-63A (1-2)	RI-SB-64 (0-0.5)	RI-SB-64 (1-2)
Start Depth					0	1	0	1	0	1	0	1	1	0	1
End Depth					0.5	2	0.5	2	0.5	2	0.5	2	2	0.5	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	FD	N	N
Parent Sample #					-	-	-	-	-	-	-	-	RI-SB-63 (1-2)	-	-
Sample Date					6/5/2025	6/5/2025	6/3/2025	6/3/2025	6/6/2025	6/6/2025	5/22/2025	5/22/2025	5/22/2025	6/10/2025	6/10/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	ng/kg	0.39 J	11 U	1.1 U	1.1 U	1.2 U	0.41 J	0.36 J	0.46 J	0.7 J	1.1 U	0.44 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	ng/kg	5.6 U	55 U	5.5 U	5.4 U	5.9 U	5.6 U	2.4 J	5.8 U	2.4 J	2.5 J	5.5 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	ng/kg	5.6 U	55 U	5.5 U	5.4 U	5.9 U	5.6 U	5.6 U	5.8 U	5.8 U	5.5 U	5.5 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	ng/kg	**3.3 J**	55 U	5.5 U	5.4 U	5.9 U	**6.8**	**9.2**	**12**	**17**	**24**	**7.8**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	ng/kg	5.6 U	55 U	5.5 U	2.2 J	5.9 U	**3.3 J**	**3.5 J**	**5 J**	**6.9**	**8.8**	**3.2 J**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	ng/kg	**26**	**110**	**6.7**	**12**	**5 J**	**48**	**180**	**79**	**130**	**93**	**45**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	ng/kg	**120**	**520**	**26**	**33**	**27**	**220**	**1700**	**440**	**740**	**470**	**370**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	ng/kg	1.8 J	11 U	0.78 J	1 J	1.2 U	**9**	1.6	**3.5 J**	2.8	3	1.5
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	ng/kg	5.6 U	55 U	5.5 U	5.4 U	5.9 U	5.6 U	5.6 U	5.8 U	2.6 J	5.5 U	5.5 U
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	ng/kg	2.8 J	55 U	5.5 U	5.4 U	5.9 U	**8**	**6.7**	**8.4**	**10**	**19 J**	**9.1**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	ng/kg	**3.2 J**	**300**	5.5 U	5.4 U	5.9 U	**3.6 J**	**9.8**	**14**	**18**	**15**	**13**
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	ng/kg	5.6 U	55 U	5.5 U	5.4 U	5.9 U	2.3 J	3.1 J	**4.3 J**	**6.3**	**6.2**	**7.4**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	ng/kg	5.6 U	55 U	5.5 U	5.4 UJ	5.9 U	5.6 U	2.4 J	5.8 U	**4 J**	**4 J**	**4.7 J**
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	ng/kg	5.6 U	55 U	5.5 U	5.4 U	5.9 U	**3.2 J**	**4.7 J**	**6.2**	**9.1**	**10**	**6.7**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	ng/kg	**10**	**340**	2.8 J	**3.8 J**	5.9 U	**8.8**	**200**	**390**	**670**	**340**	**800**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	ng/kg	5.6 U	55 U	5.5 U	5.4 R	5.9 U	5.6 U	**3.8 J**	**3.4 J**	**5.4 J**	**4.2 J**	**6.4**
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	ng/kg	**7.8 J**	**140**	11 U	11 R	12 U	**10 J**	**250**	**180**	**330**	**140**	**310**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

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U - Not Detected

Table M - Year 2 Dioxin/Furans Analytical Data Table

Location					RI-SB-65	RI-SB-65	RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-67	RI-SB-67	RI-SB-68	RI-SB-68	RI-SB-69	RI-SB-69
Sample #					RI-SB-65 (0-0.5)	RI-SB-65 (1-2)	RI-SB-66 (0-0.5)	RI-SB-66 (1-2)	RI-SB-66A (0-0.5)	RI-SB-67 (0-0.5)	RI-SB-67 (3-3.5)	RI-SB-68 (0-0.5)	RI-SB-68 (2-3)	RI-SB-69 (0-0.5)	RI-SB-69 (1-2)
Start Depth					0	1	0	1	0	0	3	0	2	0	1
End Depth					0.5	2	0.5	2	0.5	0.5	3.5	0.5	3	0.5	2
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	FD	N	N	N	N	N	N
Parent Sample #					-	-	-	-	RI-SB-66 (0-0.5)	-	-	-	-	-	-
Sample Date					5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/9/2025	6/9/2025	6/4/2025	6/4/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	ng/kg	0.89 J	0.27 J	0.35 J	**5 J**	0.24 J	1.2 U	1.1 U	11 U	0.82 J	1.1 U	1.1 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	ng/kg	**3.2 J**	5.8 U	5.2 U	120 U	5.3 U	5.9 U	5.7 U	54 U	5.7 U	5.4 U	25 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	ng/kg	5.5 U	5.8 U	5.2 U	120 U	5.3 U	5.9 U	5.7 U	54 U	5.7 U	5.4 U	25 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	ng/kg	**23**	**13**	3.1 J	120 U	2.6 J	5.9 U	5.7 U	54 U	**7.5**	5.4 U	**24 J**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	ng/kg	**7.7**	**4.6 J**	2.1 J	120 U	5.3 U	5.9 U	5.7 U	54 U	**3.6 J**	5.4 U	**20 J**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	ng/kg	**95**	**89**	**24**	**83 J**	**28**	**21**	**6**	**55**	**77**	**8**	**640**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	ng/kg	**380**	**420**	**110**	**360**	**160**	**110**	**45**	**400**	**520**	**47**	**7400**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	ng/kg	**3.9**	1.1 J	2.9	24 U	1.9	3	1.1 U	11 U	**5.9**	1.1 U	**4.1 J**
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	ng/kg	5.5 U	5.8 U	5.2 U	120 U	5.3 U	5.9 U	5.7 U	54 U	5.7 U	5.4 U	25 U
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	ng/kg	**18**	**6.6**	**3.2 J**	120 U	**3.2 J**	**4.7 J**	5.7 U	54 U	**17**	5.4 U	25 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	ng/kg	**25**	**10**	2.4 J	120 U	2.3 J	**3.2 J**	5.7 U	54 U	**12**	5.4 U	25 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	ng/kg	**8.4**	2.8 J	5.2 U	120 U	5.3 U	5.9 U	5.7 U	54 U	**7.4**	5.4 U	25 U
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	ng/kg	5.5 U	5.8 U	5.2 U	120 U	5.3 U	5.9 U	5.7 U	54 U	**5 J**	5.4 U	25 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	ng/kg	**11**	**4.1 J**	2.5 J	120 U	5.3 U	5.9 U	5.7 U	54 U	**9.7**	5.4 U	25 U
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	ng/kg	**690**	**550**	**17**	**75 J**	**18**	**13**	2.7 J	54 U	**100**	5.4 U	**150**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	ng/kg	**5.6**	**3.4 J**	5.2 U	120 U	5.3 U	5.9 U	5.7 U	54 U	**3.8 J**	5.4 U	25 U
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	ng/kg	**250**	**310**	**22**	240 U	**15**	**10 J**	11 U	110 U	**48**	11 U	**290**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

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U - Not Detected

Table M - Year 2 Dioxin/Furans Analytical Data Table

Location					RI-SB-70	RI-SB-70	RI-SB-71	RI-SB-71	RI-SB-72	RI-SB-72	RI-SB-73	RI-SB-73	RI-SB-74	RI-SB-74	RI-SB-75
Sample #					RI-SB-70 (0-0.5)	RI-SB-70 (1-2)	RI-SB-71 (0-0.5)	RI-SB-71 (1-2)	RI-SB-72 (0-0.5)	RI-SB-72 (1-2)	RI-SB-73 (0-0.5)	RI-SB-73 (1-2)	RI-SB-74 (0-0.5)	RI-SB-74 (1-2)	RI-SB-75 (4-5)
Start Depth					0	1	0	1	0	1	0	1	0	1	4
End Depth					0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/5/2025	6/5/2025	5/27/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	1746-01-6	**4.8**	ng/kg	**6.9**	5.6 U	**19**	1.1 U	0.45 J	1.1 U	1.1 U	11 U	1.1 U	11 U	1.2 U
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	40321-76-4	**3.15**	ng/kg	**18 J**	28 U	**50 J**	5.4 U	5.3 U	5.4 U	5.3 U	54 U	5.6 U	56 U	5.8 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	39227-28-6	**3.15**	ng/kg	**17 J**	28 U	**48**	5.4 U	5.3 U	5.4 U	5.3 U	54 U	5.6 U	56 U	5.8 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	57653-85-7	**3.15**	ng/kg	**20 J**	28 U	**46**	5.4 U	**6.1**	**5.2 J**	5.3 U	54 U	2.6 J	56 U	**8.9**
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	19408-74-3	**3.15**	ng/kg	**19 J**	28 U	**48**	5.4 U	**5.1 J**	2.2 J	5.3 U	54 U	2.3 J	56 U	5.8 U
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	35822-46-9	**3.15**	ng/kg	**91**	**23 J**	**130**	**8.4**	**92**	**31**	**15**	54 U	**25**	56 U	**62**
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	3268-87-9	**3.15**	ng/kg	**550**	**130**	**670**	**54**	**320**	**160**	**91**	160 U	**160**	170 U	**84**
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	**3.15**	ng/kg	**14**	5.6 U	**37**	0.74 J	1.9	1.2	1.1 U	11 U	2	11 U	1.1 J
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	**3.15**	ng/kg	**18 J**	28 U	**58**	5.4 U	5.3 U	5.4 U	2.9 J	54 U	5.6 U	56 U	5.8 U
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	**3.15**	ng/kg	**19 J**	28 U	**56**	5.4 U	2.9 J	2.6 J	5.3 U	54 U	5.6 U	56 U	**3.5 J**
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	**3.15**	ng/kg	**19 J**	28 U	**46**	5.4 U	5.3 U	2.6 J	5.3 U	54 U	5.6 U	56 U	2.7 J
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	**3.15**	ng/kg	**18 J**	28 U	**50**	5.4 U	5.3 U	5.4 U	5.3 U	54 U	5.6 U	56 U	5.8 U
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	**3.15**	ng/kg	**22 J**	28 U	**59**	5.4 U	5.3 U	5.4 U	5.3 U	54 U	5.6 U	56 U	5.8 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	**3.15**	ng/kg	**19 J**	28 U	**51**	5.4 U	5.3 U	5.4 U	5.3 U	54 U	5.6 U	56 U	**3.3 J**
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	**3.15**	ng/kg	**48**	28 U	**57 J**	2.7 J	**7.9**	**9.1**	**4.8 J**	54 U	**3.8 J**	56 U	**91**
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	**3.15**	ng/kg	**19 J**	28 U	**49 J**	5.4 U	5.3 U	5.4 U	5.3 U	54 U	5.6 U	56 U	5.8 U
Dioxin/Furans	Octachlorodibenzofuran	39001-02-0	**3.15**	ng/kg	**61**	56 U	**90 J**	11 U	**8.2 J**	**11**	**9 J**	110 U	**6.7 J**	110 U	**48**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
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Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-43	RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-44	RI-SB-45	RI-SB-45	RI-SB-45
Sample #					RI-SB-43 (0-0.5)	RI-SB-43 (1-2)	RI-SB-43 (2-3)	RI-SB-44 (0-0.5)	RI-SB-44 (1-2)	RI-SB-44 (2-3)	RI-SB-44 (8-9)	RI-SB-44 (15-16)	RI-SB-44 (29-30)	RI-SB-44A (2-3)	RI-SB-45 (0-0.5)	RI-SB-45 (1-2)	RI-SB-45 (5.5-6.5)
Start Depth					0	1	2	0	1	2	8	15	29	2	0	1	5.5
End Depth					0.5	2	3	0.5	2	3	9	16	30	3	0.5	2	6.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	FD	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	RI-SB-44 (2-3)	-	-	-
Sample Date					5/23/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/23/2025	5/23/2025	5/23/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**14000**	**11000**	**15000**	**19000**	**10000**	**10000**	**14000**	**16000**	**11000**	**11000**	**15000**	**14000**	**11000**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	1 UJ	1.1 UJ	1.2 UJ	1 UJ	1 UJ	1.1 UJ	1.2 UJ	1.1 UJ	1.2 UJ	1 UJ	1.1 UJ	1 UJ	1.2 UJ
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**11 J**	**6.8 J**	**9.6 J**	**7 J**	**7.6 J**	**8.4 J**	**9.1 J**	**8.9 J**	**6.5 J**	**4.7 J**	**4.7 J**	**12 J**	**7 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	77	39	73	140	42	44	66	61	49	48	140	82	72
Inorganics	Beryllium	7440-41-7	16	mg/kg	1	0.5 J	0.66	2.7	0.45 J	0.33 J	0.71	0.6	0.41 J	0.56	2.4	0.45 J	0.61
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	0.52 UJ	0.56 UJ	0.6 UJ	**0.81 J**	0.25 J	0.21 J	0.24 J	0.24 J	0.23 J	0.17 J	0.57 J+	0.51 UJ	0.58 UJ
Inorganics	Calcium	7440-70-2	-	mg/kg	210000	170000	14000	190000 J	240000 J	200000 J	6100 J	64000 J	86000 J	220000 J	180000	240000	73000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**1400 J**	**1200 J**	**29 J**	**690**	**2300**	**1800**	**22**	**76**	**25**	**1900**	**1800 J**	**2200 J**	**25 J**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**3.4**	**4.6**	**11**	**5.4 J**	**3.5 J**	**3.1 J**	**13 J**	**11 J**	**8.3 J**	**2.1 J**	**12**	**8**	**7.4**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	28 J	29 J	27 J	**99**	34	25	28	28	17	28	**63 J**	51 J	16 J
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	**1.1 J**	**0.59 J**	0.59 UJ	**0.39 J**	**0.43 J**	**0.27 J**	0.58 UJ	0.59 UJ	0.6 UJ	0.51 UJ	**0.56 J**	0.55 UJ	0.55 UJ
Inorganics	Iron	7439-89-6	**6**	mg/kg	**160000**	**140000**	**23000**	**100000 J**	**170000 J**	**180000 J**	**22000 J**	**30000 J**	**17000 J**	**210000 J**	**140000**	**190000**	**15000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	8.4 J+	5.1 J+	27 J+	120 J+	12 J+	9.8 J+	20 J+	12 J+	8 J+	10 J+	70 J+	19 J+	33 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**25000**	**69000**	3700	**30000 J**	**35000 J**	**34000 J**	3600 J	**11000 J**	**22000 J**	**37000 J**	**27000**	**41000**	**12000**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**31000**	**32000**	**640**	**13000 J**	**41000 J**	**36000 J**	**540 J**	**1400 J**	**480 J**	**36000 J**	**15000**	**40000**	**580**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.0066 J	0.1 UJ	**0.25 J**	0.046 J+	0.009 J+	0.099 UJ	**0.071 J+**	**0.054 J+**	0.034 J+	0.007 J+	**0.074 J**	0.011 J	0.043 J
Inorganics	Nickel	7440-02-0	**52**	mg/kg	**73 J**	**110 J**	21 J	**120 J**	51 J	33 J	26 J	32 J	25 J	17 J	**580 J**	**130 J**	20 J
Inorganics	Potassium	7440-09-7	-	mg/kg	830	430 J	2800	1400	270 J	310 J	3100	3800	3100	370 J	1000	540	1800
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**1.3 J**	2.8 U	**1.9 J**	**1.8 J**	2.6 U	2.7 U	**1.9 J**	**1.6 J**	2.9 U	2.6 U	**2.7**	**1.2 J**	**1.9 J**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.091 J	0.076 J	0.06 J	**0.36 J**	**0.13 J**	0.095 J	0.58 U	0.56 U	0.58 U	0.09 J	**0.24 J**	**0.15 J**	0.58 U
Inorganics	Sodium	7440-23-5	-	mg/kg	440 J	290 J	310 J	580	380 J	330 J	180 J	220 J	200 J	410 J	470 J	280 J	140 J
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.52 U	0.56 U	0.6 U	0.51 U	0.52 U	0.53 U	0.58 U	0.56 U	0.58 U	0.52 U	0.53 U	0.51 U	0.58 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**1100**	**1200**	28	**220**	**1000**	**1100**	30	**92**	**55**	**1300**	**350**	**680**	22
Inorganics	Zinc	7440-66-6	**119**	mg/kg	25 J	18 J	73 J	**390**	36	32	70	68	52	31	**200 J**	67 J	51 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

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Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-46	RI-SB-46	RI-SB-46	RI-SB-47	RI-SB-47	RI-SB-47	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-48	RI-SB-49	RI-SB-49	RI-SB-49	RI-SB-49
Sample #					RI-SB-46 (0-0.5)	RI-SB-46 (1-2)	RI-SB-46 (16.5-17.5)	RI-SB-47 (0-0.5)	RI-SB-47 (1-2)	RI-SB-47 (19-20)	RI-SB-48 (0-0.5)	RI-SB-48 (1-2)	RI-SB-48 (19-20)	RI-SB-48 (21-22)	RI-SB-48 (26-27)	RI-SB-48 (34-35)	RI-SB-49 (0-0.5)	RI-SB-49 (1-2)	RI-SB-49 (8-9)	RI-SB-49A (0-0.5)
Start Depth					0	1	16.5	0	1	19	0	1	19	21	21	34	0	1	8	0
End Depth					0.5	2	17.5	0.5	2	20	0.5	2	20	22	22	35	0.5	2	9	0.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-49 (0-0.5)
Sample Date					5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**18000**	6500	3400	**21000**	**7300**	4700	**7400**	**7000**	**12000**	**10000**	**9100**	5800	3400	**11000**	**8800**	**7800**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	0.98 UJ	**7.2 J+**	1.1 UJ	**1.9 J+**	**3.4 J+**	**25 J+**	**2.3 J+**	1 UJ	**1.6 J+**	1.1 UJ	0.99 UJ	0.96 UJ	**6.3 J+**	1 UJ	1 UJ	**4 J+**
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**4.8 J**	**12 J**	**2.9 J**	**8.8 J**	**8.7 J**	**2.9 J**	**21 J**	**2.5 J**	**9.6 J**	**3.1 J**	**8.9 J**	**7.9 J**	**8.8**	**5.7**	**2.6**	**10**
Inorganics	Barium	7440-39-3	**288**	mg/kg	160	**990**	68	210	**750**	160	48	40	240	40	60	53	30 J	75 J	61 J	94 J
Inorganics	Beryllium	7440-41-7	16	mg/kg	3.9	0.47 J	0.23 J	5.1	0.75	0.44 J	0.57	0.45 J	0.8	0.55 J	0.36 J	0.24 J	0.22 J	5.3	4.3	0.8
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	**1.7 J**	**4.1 J**	0.63 J	**3.8 J**	**2.9 J**	0.61 J	0.57 J	0.25 J	**1.9 J**	0.17 J	0.28 J	0.24 J	**0.92 J+**	**1.6 J+**	0.63 J+	**0.71 J+**
Inorganics	Calcium	7440-70-2	-	mg/kg	160000 J	16000 J	9500 J	170000 J	12000 J	18000 J	230000 J	240000 J	50000 J	2400 J	85000 J	130000 J	56000	220000	210000	64000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**560**	**320**	**97**	**2900**	**210**	**33**	**700**	**1700**	**320**	**18**	**15**	**9.9**	**260 J**	**3600 J**	**2500 J**	**230 J**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**6.3 J**	**11 J**	**1.9 J**	**45 J**	**9.6 J**	**2.6 J**	**5.3 J**	**3.4 J**	**4.1 J**	**7.9 J**	**7.9 J**	**5.6 J**	**7.7**	**5.7**	**2.4**	**7.2**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	**69**	**1100**	**110**	**500**	**880**	34	**54**	28	**100**	18	18	14	**130**	**64**	40	**150**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	**0.51 J**	**2.4 J**	**0.44 J**	**1.2 J**	**0.74 J**	**2.4 J**	0.54 UJ	0.54 UJ	0.55 UJ	0.58 UJ	0.53 UJ	0.53 UJ	0.52 UJ	0.54 UJ	0.53 UJ	**0.61 J+**
Inorganics	Iron	7439-89-6	**6**	mg/kg	**140000 J**	**110000 J**	**31000 J**	**88000 J**	**51000 J**	**7600 J**	**140000 J**	**180000 J**	**30000 J**	**13000 J**	**16000 J**	**12000 J**	**250000**	**150000**	**150000**	**280000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	170 J+	**320 J+**	29 J+	**240 J+**	**200 J+**	140 J+	43 J+	19 J+	170 J+	10 J+	8.3 J+	6.6 J+	**180 J**	65 J	47 J	150 J
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**28000 J**	2900 J	3600 J	**30000 J**	1900 J	3300 J	**14000 J**	**48000 J**	**8800 J**	2900 J	**18000 J**	**37000 J**	**8700**	**38000**	**35000**	7500
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**9700 J**	**1500 J**	**1400 J**	**5800 J**	**1100 J**	**310 J**	**18000 J**	**34000 J**	**6100 J**	**110 J**	**310 J**	**360 J**	**7600 J**	**37000 J**	**29000 J**	**7200 J**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.016 J+	**0.52 J+**	**0.1 J+**	0.027 J+	**0.53 J+**	**0.072 J+**	**1.9 J+**	0.03 J+	**0.2 J+**	**0.05 J+**	0.033 J+	0.03 J+	**0.2**	0.035 J	0.0072 J	**0.13**
Inorganics	Nickel	7440-02-0	**52**	mg/kg	**220 J**	**270 J**	27 J	**3000 J**	**210 J**	12 J	**250 J**	**74 J**	**100 J**	25 J	24 J	17 J	51	**180**	19	**75**
Inorganics	Potassium	7440-09-7	-	mg/kg	1300	530 J	590	1700	590	500 J	560	140 J	1500	1500	2500	1700	65 J	240 J	270 J	81 J
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**2.2 J**	2.7 U	2.9 U	**3.9**	2.8 U	3.1 U	2.6 U	2.5 U	**1.2 J**	**1.6 J**	**1.2 J**	2.4 U	2.5 U	**1.2 J**	2.5 U	2.5 U
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	**0.67**	**1.4**	0.57 U	**0.93**	**1.7**	0.087 J	**0.28 J**	**0.1 J**	**0.3 J**	0.56 U	0.49 U	0.48 U	**0.24 J**	**0.42 J**	**0.1 J**	**0.18 J**
Inorganics	Sodium	7440-23-5	-	mg/kg	700	130 J	170 J	650	550	110 J	310 J	150 J	450 J	250 J	230 J	180 J	87 J	390 J	420 J	110 J
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.49 U	0.55 U	0.57 U	0.52 U	0.56 U	0.61 U	0.51 U	0.51 U	0.53 U	0.56 U	0.49 U	0.48 U	0.49 U	0.52 U	0.5 U	0.5 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**85**	20	7.3	**73**	21	11	**110**	**450**	33	22	20	15	**40**	**470**	**600**	**72**
Inorganics	Zinc	7440-66-6	**119**	mg/kg	**2600**	**720**	49	**560**	**1400**	97	**190**	51	**420**	45	57	49	**620**	**170**	**130**	**700**

Notes:

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Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-50	RI-SB-50	RI-SB-50	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52	RI-SB-52	RI-SB-53	RI-SB-53	RI-SB-53	RI-SB-54	RI-SB-54	RI-SB-54
Sample #					RI-SB-50 (0-0.5)	RI-SB-50 (1-2)	RI-SB-50 (19-20)	RI-SB-51 (0-0.5)	RI-SB-51 (1-2)	RI-SB-51 (9-10)	RI-SB-51 (25-26)	RI-SB-51 (31-32)	RI-SB-52 (0-0.5)	RI-SB-52 (1-2)	RI-SB-52 (2-3)	RI-SB-53 (0-0.5)	RI-SB-53 (1-2)	RI-SB-53 (14-15)	RI-SB-54 (0-0.5)	RI-SB-54 (1-2)	RI-SB-54 (3-4)
Start Depth					0	1	19	0	1	9	25	31	0	1	2	0	1	14	0	1	3
End Depth					0.5	2	20	0.5	2	10	26	32	0.5	2	3	0.5	2	15	0.5	2	4
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/2/2025	6/2/2025	6/2/2025	5/30/2025	5/30/2025	5/30/2025	5/30/2025	5/30/2025	5/22/2025	5/22/2025	5/22/2025	6/2/2025	6/2/2025	6/2/2025	5/21/2025	5/21/2025	5/21/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**10000**	**12000**	4200	**14000**	**11000**	1300	**10000**	**10000**	**18000 J**	**27000 J**	**24000 J**	**7700**	**9900**	6800	**10000 J**	**13000 J**	**13000 J**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	1.1 UJ	1.1 UJ	1.2 UJ	**1.8 J+**	**2.2 J+**	**7 J+**	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1 UJ	**2.3 J+**	1.1 UJ	**2.1 J+**	**2.1 J+**	**4.7 J+**	**3.6 J+**
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**6.1**	**4.7**	**2.2**	**9.4**	**3.6**	**55**	**6.4**	**6.2**	**2.9 J**	**3.3 J**	**8 J**	**10**	**10**	**4.7**	**6.7 J**	**6.1 J**	**6.6 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	80 J	110 J	**800 J**	130 J	150 J	13 J	57 J	71 J	150	170	260	57 J	49 J	120 J	200	190	**370**
Inorganics	Beryllium	7440-41-7	16	mg/kg	0.51 J	2.1	0.14 J	2.2	0.56	0.5 U	0.36 J	0.43 J	2.8	4.2	5.8	0.55	0.72	0.22 J	2.3	1.5	2.7
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	0.55 U	0.53 U	0.61 U	**1.3 J+**	**1.3 J+**	0.5 U	0.57 U	0.56 U	0.54 UJ	0.53 UJ	0.5 UJ	**1.5 J+**	0.53 U	0.58 J+	**1.9 J+**	**2.5 J+**	**1.5 J+**
Inorganics	Calcium	7440-70-2	-	mg/kg	95000	140000	170000	130000	130000	19000	77000	98000	140000	200000	180000	86000	190000	22000	100000	99000	130000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**24 J**	**35 J**	**41 J**	**310 J**	**1500 J**	**270 J**	**19 J**	**18 J**	**550 J+**	**1600 J+**	**390 J+**	**490 J**	**2300 J**	**81 J**	**4600 J+**	**450 J+**	**930 J+**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**7.9**	**3.7**	**2.3**	**6.6**	**6.5**	**20**	**7.5**	**8**	**4.6 J**	**7.8 J**	**8.4 J**	**8**	**7.2**	**4.8**	**16 J**	**4.7 J**	**7.2 J**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	18	12	48	**110**	**280**	**300**	21	17	43	49	**120**	**270**	47	**300**	**240**	**160**	**210**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	0.55 UJ	0.53 UJ	**0.75 J+**	0.54 UJ	0.52 UJ	0.54 UJ	0.56 UJ	0.55 UJ	**0.29 J**	**0.42 J**	**0.89 J**	0.51 UJ	0.54 UJ	0.55 UJ	**0.48 J**	**0.43 J**	**0.48 J**
Inorganics	Iron	7439-89-6	**6**	mg/kg	**15000**	**9500**	**16000**	**160000**	**110000**	**420000 J+**	**18000**	**17000**	**55000 J+**	**72000 J+**	**79000 J+**	**220000**	**130000**	**37000**	**67000 J+**	**51000 J+**	**74000 J+**
Inorganics	Lead	7439-92-1	**180**	mg/kg	16 J	17 J	40 J	**280 J**	150 J	**1100 J**	8.9 J	9.9 J	81 J+	40 J+	51 J+	**240 J**	29 J	64 J	110 J+	110 J+	150 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**36000**	**29000**	**100000**	**16000**	**20000**	4500	**20000**	**26000**	**32000 J**	**36000 J**	**18000 J**	**17000**	**59000**	2100	**13000 J**	**12000 J**	**19000 J**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**310 J**	**860 J**	**350 J**	**7500 J**	**28000 J**	**3300 J**	**300 J**	**370 J**	**5500**	**11000**	**11000**	**12000 J**	**29000 J**	**730 J**	**7800**	**5400**	**17000**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.024 J	**0.09 J**	**3.3**	**0.22**	**0.064 J**	0.045 J	**0.066 J**	0.013 J	0.024 J-	0.1 R	0.11 R	**0.26**	**0.068 J**	**0.11**	**0.15 J-**	**0.094 J-**	**0.23 J-**
Inorganics	Nickel	7440-02-0	**52**	mg/kg	23	13	25	**100**	**55**	**290**	24	24	**160 J**	**470 J**	**470 J**	**110**	**220**	**140**	**1100 J**	**130 J**	**300 J**
Inorganics	Potassium	7440-09-7	-	mg/kg	2200	1600	120 J	1100	480 J	94 J	2600	3000	1200	1900	1500	190 J	290 J	570	710	900	950
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	2.7 U	**2.6 J**	3.1 U	**1.6 J**	2.6 U	2.5 U	**1.3 J**	**1.3 J**	**2 J**	**3**	**4.1**	2.5 U	2.7 U	2.6 U	**2.1 J**	**1.9 J**	**2.8**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.55 U	0.53 U	0.076 J	**0.31 J**	**0.21 J**	**0.12 J**	0.57 U	0.56 U	**0.13 J**	**0.18 J**	**0.2 J**	**0.51**	**0.23 J**	**0.15 J**	**0.47 J**	**0.27 J**	**0.31 J**
Inorganics	Sodium	7440-23-5	-	mg/kg	270 J	590	89 J	530	280 J	100 J	290 J	190 J	700	830	850	190 J	210 J	180 J	250 J	330 J	300 J
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.55 U	0.53 U	0.61 U	0.52 U	0.52 U	0.5 U	0.57 U	0.56 U	0.54 U	0.53 U	0.5 U	0.49 U	0.53 U	0.53 U	0.5 U	0.56 U	0.56 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	22	15	6.8	**110**	**210**	7.5	21	22	**95 J**	**78 J**	**60 J**	**170**	**620**	16	**53 J**	**66 J**	**70 J**
Inorganics	Zinc	7440-66-6	**119**	mg/kg	54	52	**160**	**800**	**200**	27	64	56	**240 J**	**120 J**	110 J	**2400**	**130**	71	**280 J**	**200 J**	**340 J**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-55	RI-SB-56	RI-SB-56	RI-SB-56	RI-SB-57	RI-SB-57	RI-SB-57	RI-SB-58	RI-SB-58	RI-SB-58
Sample #					RI-SB-55 (0-0.5)	RI-SB-55 (1-2)	RI-SB-55 (8-9)	RI-SB-55 (28.5-29.5)	RI-SB-55 (31-32)	RI-SB-55 (33-34)	RI-SB-56 (0-0.5)	RI-SB-56 (1-2)	RI-SB-56 (2-6)	RI-SB-57 (0-0.5)	RI-SB-57 (1-2)	RI-SB-57 (18-19)	RI-SB-58 (0-0.5)	RI-SB-58 (1-2)	RI-SB-58 (18-19)
Start Depth					0	1	8	28.5	31	33	0	1	2	0	1	18	0	1	18
End Depth					0.5	2	9	29.5	32	34	0.5	2	6	0.5	2	19	0.5	2	19
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date					6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/3/2025	5/20/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025	6/5/2025	6/5/2025	6/5/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**8600**	**9100**	**28000**	4700	**9300**	4400	**12000 J**	3400 J	**8800 J**	5700 J	**12000 J**	3900 J	**9400**	**13000**	**13000**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	1.1 UJ	1 UJ	1.2 UJ	1.1 UJ	1.1 UJ	1.1 UJ	**1.4 J+**	**3 J+**	**1.5 J+**	79 U	**1.5 J+**	1.1 UJ	1.1 UJ	**3.1 J+**	1.1 UJ
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**3.1**	**2.7**	**4.8**	**6.7**	**6.6**	**5.4**	**5.4 J**	**9.7 J**	**3.6 J**	**120**	**5.2**	**2**	**5.6 J**	**4.8 J**	**4.3 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	52	46	160	30	40	59	**310**	**1400**	**320**	78 J	120	110	63	170	140
Inorganics	Beryllium	7440-41-7	16	mg/kg	0.68	0.52	2.3	0.25 J	0.39 J	0.15 J	1.5	0.22 J	0.35 J	1.3 J	1.9	0.53 U	0.94	2.6	0.87
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	0.2 J	0.24 J	**0.95**	0.46 J	0.24 J	0.2 J	**3.4 J+**	**3.7 J+**	0.65 J+	**16**	**1.8**	0.13 J	**1.1 J**	**1.4 J**	0.19 J
Inorganics	Calcium	7440-70-2	-	mg/kg	59000	59000	120000	140000	81000	130000	120000	4700	15000	40000	130000	1600	150000 J	110000 J	32000 J
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**28 J**	**47 J**	**600 J**	**8.8 J**	**16 J**	**7.7 J**	**140 J+**	**110 J+**	**59 J+**	**170000 J**	**3100 J**	**23 J**	**870 J**	**120 J**	**42 J**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**3.3**	**3**	**4.6**	**5.2**	**7.8**	**4.1**	**14 J**	**9.1 J**	**2 J**	**820**	**7.1**	**3.8**	**4.3 J**	**3.2 J**	**1.8 J**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	12	14	**110**	14	16	11	**190**	**360**	**52**	**2100**	**570**	**150**	36	**76**	**250**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	0.54 U	0.52 U	**1.7**	0.51 U	0.55 U	0.54 U	**0.8 J**	**2.3 J**	0.53 UJ	**0.43 J**	**0.43 J**	**0.41 J**	**0.95**	**0.62**	0.58 U
Inorganics	Iron	7439-89-6	**6**	mg/kg	**14000**	**16000**	**81000**	**10000**	**16000**	**8300**	**53000 J+**	**50000 J+**	**24000 J+**	**850000 J**	**110000 J**	**9200 J**	**290000 J+**	**63000 J+**	**25000 J+**
Inorganics	Lead	7439-92-1	**180**	mg/kg	19	25	100	6.4	8.4	5.6	**280 J+**	**420 J+**	110 J+	120	69	14	49	110	54
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**22000**	**14000**	**23000**	**20000**	**18000**	**36000**	**11000 J**	2800 J	1700 J	6300 J	**24000 J**	620 J	**24000 J**	**24000 J**	1800 J
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**610 J**	**2700 J**	**8200 J**	**240 J**	**250 J**	**240 J**	**2000**	**690**	**1100**	**14000 J**	**26000 J**	**120 J**	**16000 J**	**2900 J**	**14000 J**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.037 J	0.03 J	**0.3**	0.011 J	0.014 J	0.012 J	**0.15 J-**	**0.16 J-**	**0.1 J-**	**0.051 J**	**0.11**	**0.41**	**0.052 J**	**0.19**	0.033 J
Inorganics	Nickel	7440-02-0	**52**	mg/kg	11	12	27	17	22	12	**77 J**	**77 J**	24 J	**66000**	**300**	**230**	31 J	35 J	33 J
Inorganics	Potassium	7440-09-7	-	mg/kg	1500	1500	2100	1300	2700	1200	760	350 J	760	360 J	630	170 J	210 J	900	1200
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	2.6 U	**1.3 J**	**5.8**	2.7 U	**1.4 J**	**1.4 J**	**1.5 J**	2.8 U	2.6 U	46 U	**1.7 J**	2.6 U	**1.4 J**	**2.4 J**	2.7 UJ
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.53 U	0.5 U	**2**	0.54 U	0.53 U	0.55 U	**0.26 J**	**0.57**	0.096 J	**14**	**0.37 J**	**0.16 J**	**0.13 J**	**0.28 J**	**0.45 J**
Inorganics	Sodium	7440-23-5	-	mg/kg	140 J	170 J	560	230 J	190 J	220 J	370 J	91 J	130 J	6600 U	360 J	41 J	160 J	370 J	260 J
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.53 U	0.5 U	0.58 U	0.54 U	0.53 U	0.55 U	0.53 U	0.56 U	0.52 U	**42**	0.54 U	0.53 U	0.53 U	0.55 U	0.55 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	17 J	16 J	25 J	15 J	17 J	9.5 J	18 J	15 J	8 J	**480**	**210**	5.2	**140 J**	**59 J**	11 J
Inorganics	Zinc	7440-66-6	**119**	mg/kg	45	50	**250**	51	44	38	**150 J**	**680 J**	**330 J**	**170**	**120 J-**	37 J-	**170 J-**	**220 J-**	31 J-

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

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U - Not Detected

Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-59	RI-SB-59	RI-SB-59	RI-SB-59	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-61	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-64	RI-SB-64
Sample #					RI-SB-59 (0-0.5)	RI-SB-59 (1-2)	RI-SB-59 (8-9)	RI-SB-59 (24-25)	RI-SB-61 (0-0.5)	RI-SB-61 (1-2)	RI-SB-61 (7-8)	RI-SB-61 (21-22)	RI-SB-61 (26-27)	RI-SB-61 (36-37)	RI-SB-63 (0-0.5)	RI-SB-63 (1-2)	RI-SB-63 (2-3)	RI-SB-63A (1-2)	RI-SB-64 (0-0.5)	RI-SB-64 (1-2)	RI-SB-64 (2-3)
Start Depth					0	1	8	24	0	1	7	21	26	36	0	1	2	1	0	1	2
End Depth					0.5	2	9	25	0.5	2	8	22	27	37	0.5	2	3	2	0.5	2	3
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-63 (1-2)	-	-	-
Sample Date					6/3/2025	6/3/2025	6/3/2025	6/3/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	6/6/2025	5/22/2025	5/22/2025	5/22/2025	5/22/2025	6/10/2025	6/10/2025	6/10/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**7600**	**11000**	4700	5100	**8100 J**	6200 J	5700 J	6100 J	**9600 J**	**16000 J**	**7800 J**	**9400 J**	**11000 J**	**8000 J**	**9100**	6500	**15000**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	**1.3 J+**	0.97 UJ	**2.4 J+**	1.1 UJ	1 U	**3.2 J+**	**16 J+**	1.1 U	1 U	1.2 U	**2.3 J+**	**3.8 J+**	1.2 UJ	**28 J+**	**2.1 J+**	**2.9 J+**	**3 J+**
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**21**	**5.7**	**11**	**3.5**	**2.7 J**	**6.4 J**	**9.6 J**	**4 J**	**6.5 J**	**5.6 J**	**2 J**	**3.2 J**	**4.7 J**	**5.3 J**	**3.3 J**	**6.4 J**	**5.9 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	51	52	**1200**	220	38	64	230	87	56	72	91	**350**	110	260	250	150	170
Inorganics	Beryllium	7440-41-7	16	mg/kg	0.78	0.66	0.51 J	0.13 J	0.32 J	0.45 J	0.38 J	0.27 J	0.38 J	0.52 J	0.37 J	1.3	0.76	0.4 J	2.8 J	0.39 J	1.4 J
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	**0.73**	0.53	**0.82**	0.13 J	0.21 J	**0.76**	**6.7**	0.28 J	0.32 J	0.2 J	0.7 J+	0.56 UJ	0.6 UJ	**0.99 J+**	**1.4 J+**	0.54 UJ	**5.3 J+**
Inorganics	Calcium	7440-70-2	-	mg/kg	140000	200000	24000	140000	250000	120000	21000	42000	83000	71000	25000	22000	23000	27000	68000 J	21000 J	55000 J
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**700 J**	**1700 J**	**160 J**	**9.3 J**	**680 J**	**580 J**	**110 J**	**19 J**	**16 J**	**27 J**	**140 J+**	**52 J+**	**24 J+**	**98 J+**	**180**	**170**	**91**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**7.7**	**5.4**	**8**	**2.5**	**1.5 J**	**5.1 J**	**7.2 J**	**6.1 J**	**7.6 J**	**9 J**	**2.9 J**	**4.4 J**	**8.2 J**	**6.1 J**	**3.1 J**	**5.1 J**	**4 J**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	**58**	49	**280**	8.2	19 J	**100 J**	**310 J**	27 J	16 J	18 J	**130**	**89**	32	**180**	**84 J**	**340 J**	**160 J**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	0.55 U	0.52 U	0.53 U	0.5 U	0.55 U	**0.88**	**0.32 J**	0.56 U	0.58 U	0.64 U	0.52 UJ	**0.48 J**	0.58 UJ	0.58 UJ	**0.55 J**	**0.57 J**	**0.61 J**
Inorganics	Iron	7439-89-6	**6**	mg/kg	**270000**	**180000**	**53000**	**9400**	**120000 J**	**200000 J**	**45000 J**	**13000 J**	**16000 J**	**25000 J**	**30000 J+**	**26000 J+**	**20000 J+**	**40000 J+**	**48000 J+**	**48000 J+**	**33000 J+**
Inorganics	Lead	7439-92-1	**180**	mg/kg	60	33	**190**	4	33 J	160 J	**280 J**	10 J	7.7 J	8.8 J	61 J+	170 J+	69 J+	140 J+	96 J+	63 J+	89 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**15000**	**28000**	7800	**51000**	**37000**	**21000**	**13000**	**11000**	**19000**	**20000**	1600 J	3200 J	3200 J	2800 J	**8500 J**	1800 J	7600 J
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**24000 J**	**39000 J**	**840 J**	**220 J**	**12000 J**	**9900 J**	**1100 J**	**260 J**	**320 J**	**400 J**	**2200**	**1600**	**720**	**2300**	**2200**	**1400**	**1600**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	**0.05 J**	0.036 J	**0.27**	0.014 J	0.017 J	**0.11**	**0.48**	0.029 J	0.02 J	0.023 J	0.023 J-	**0.32 J-**	**0.054 J-**	**0.54 J-**	**0.34 J**	**0.16 J**	**0.89 J**
Inorganics	Nickel	7440-02-0	**52**	mg/kg	**98**	**200**	**150**	7.9	12 J	48 J	**140 J**	21 J	22 J	26 J	**76 J**	**68 J**	24 J	**91 J**	51 J	**180 J**	**83 J**
Inorganics	Potassium	7440-09-7	-	mg/kg	360 J	330 J	360 J	1500	47 J	110 J	970	1700	2700	4400	670	960	1600	650	820	850	1900
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	2.7 U	**1.4 J**	2.6 U	2.7 U	2.6 U	2.8 U	2.8 U	2.7 U	**1.4 J**	**1.6 J**	2.6 U	2.8 U	**1.4 J**	2.9 U	**2 J**	2.7 U	**2.1 J**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	**0.32 J**	**0.26 J**	**0.17 J**	0.53 U	**0.12 J**	**0.41 J**	**1.2**	0.074 J	0.5 U	0.58 U	**0.2 J**	0.078 J	0.6 U	**0.21 J**	**0.78**	**0.12 J**	**0.21 J**
Inorganics	Sodium	7440-23-5	-	mg/kg	290 J	470 J	130 J	160 J	97 J	180 J	290 J	120 J	170 J	250 J	150 J	230 J	190 J	200 J	240 J	140 J	760
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.54 U	0.49 U	0.52 U	0.53 U	0.52 U	0.57 U	0.56 U	0.54 U	0.5 U	0.58 U	0.52 U	0.56 U	0.6 U	0.59 U	0.56 U	0.54 U	0.53 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**300 J**	**270 J**	18 J	9.8 J	**430**	**370**	14	16	19	25	16 J	13 J	14 J	13 J	16	12	14
Inorganics	Zinc	7440-66-6	**119**	mg/kg	**180**	**120**	**360**	24	**320 J**	**680 J**	**410 J**	58 J	62 J	51 J	**250 J**	**130 J**	76 J	**210 J**	**160 J**	66 J	86 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
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N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
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U - Not Detected

Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-65	RI-SB-65	RI-SB-65	RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-66	RI-SB-67	RI-SB-67	RI-SB-67	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-68
Sample #					RI-SB-65 (0-0.5)	RI-SB-65 (1-2)	RI-SB-65 (4-5)	RI-SB-66 (0-0.5)	RI-SB-66 (1-2)	RI-SB-66 (10-11)	RI-SB-66A (0-0.5)	RI-SB-67 (0-0.5)	RI-SB-67 (3-3.5)	RI-SB-67 (4-5)	RI-SB-68 (0-0.5)	RI-SB-68 (2-3)	RI-SB-68 (5-6)	RI-SB-68 (21-22)	RI-SB-68A (21-22)
Start Depth					0	1	4	0	1	10	0	0	3	4	0	1	5	21	21
End Depth					0.5	2	5	0.5	2	11	0.5	0.5	3.5	5	0.5	2	6	22	22
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	FD	N	N	N	N	N	N	N	FD
Parent Sample #					-	-	-	-	-	-	RI-SB-66 (0-0.5)	-	-	-	-	-	-	-	RI-SB-68 (21-22)
Sample Date					5/20/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/4/2025	6/9/2025	6/9/2025	6/9/2025	6/9/2025	6/9/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	6300 J	6500 J	6200 J	**15000 J**	**10000 J**	**19000 J**	**17000 J**	**19000 J**	**12000 J**	**8000 J**	**22000**	**10000**	**11000**	**11000**	**6900**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	**5.9 J+**	**3.4 J+**	**1.7 J+**	1 UJ	1.1 UJ	**2.6 J+**	1 UJ	1 UJ	1.1 UJ	**8.5 J+**	1.1 U	**6.4 J+**	**2.4 J+**	1.1 U	1.2 U
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**5.6 J**	**7.2 J**	**1.6 J**	**4.7**	**3.7**	**8.3**	**3.6**	**3.5**	**6.1**	**6.9**	**3.4 J**	**9 J**	**4.8 J**	**7.7 J**	**7.3 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	**320**	**790**	130	210	68	160	190	270	65	140	210	110	94	34	38
Inorganics	Beryllium	7440-41-7	16	mg/kg	0.47 J	0.46 J	0.41 J	4.6	0.68	1.6	4.1	5.2	0.69	0.36 J	5.6	1.1	0.73	0.34 J	0.38 J
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	**13 J+**	**1.3 J+**	**0.95 J+**	0.67	**1.1**	**3.8**	0.68	0.41 J	0.22 J	**1.4**	**0.75**	**1.6**	**1.5**	0.18 J	0.19 J
Inorganics	Calcium	7440-70-2	-	mg/kg	20000	14000	13000	120000	70000	88000	120000	160000	100000	26000	190000	71000	110000	71000	66000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**120 J+**	**170 J+**	**190 J+**	**220 J**	**250 J**	**250 J**	**210 J**	**58 J**	**69 J**	**84 J**	**120**	**140**	**120**	**17**	**12**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**8 J**	**7.3 J**	**4.9 J**	**4.8**	**4.6**	**4.6**	**2.8**	**2.4**	**6.6**	**5.1**	**2**	**9.8**	**5.5**	**7.1**	**6.9**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	**600**	**230**	**220**	**79**	43	**510**	**59**	25	22	**190**	28 J	**170 J**	46 J	15 J	15 J
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	**0.31 J**	**1.3 J**	**1.2 J**	**0.43 J**	0.56 UJ	**0.26 J**	**0.25 J**	**0.82 J**	0.56 UJ	**0.33 J**	0.58 UJ	0.57 UJ	0.6 UJ	0.59 UJ	0.57 UJ
Inorganics	Iron	7439-89-6	**6**	mg/kg	**32000 J+**	**57000 J+**	**55000 J+**	**56000 J**	**26000 J**	**57000 J**	**34000 J**	**24000 J**	**27000 J**	**26000 J**	**34000 J+**	**110000 J+**	**28000 J+**	**16000 J+**	**17000 J+**
Inorganics	Lead	7439-92-1	**180**	mg/kg	130 J+	150 J+	110 J+	72	41	130	67	44	17	**280**	54	96	50	7.3	6.8
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	2000 J	2000 J	1700 J	**19000 J**	**13000 J**	**16000 J**	**21000 J**	**32000 J**	**21000 J**	**12000 J**	**32000**	**15000**	**22000**	**14000**	**18000**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**1300**	**1300**	**2000**	**6300 J**	**2900 J**	**6600 J**	**6400 J**	**3600 J**	**2400 J**	**1300 J**	**4700**	**1800**	**2300**	**420**	**580**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	**0.095 J-**	**0.81 J-**	**190 J-**	0.099 U	**0.061 J**	**0.15**	0.098 U	0.041 J	0.024 J	**0.39**	0.1 UJ	0.033 J-	**0.22 J-**	0.022 J-	0.015 J-
Inorganics	Nickel	7440-02-0	**52**	mg/kg	**240 J**	**150 J**	**73 J**	**91**	50	**77**	**55**	29	23	**62**	31 J	**72 J**	30 J	20 J	20 J
Inorganics	Potassium	7440-09-7	-	mg/kg	470 J	500 J	450 J	1300	1400	1200	1400	870	2100	640	1500	2100	1800	2600	1600
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**1.3 J**	3 U	2.7 U	**3.3**	**1.6 J**	**2.7**	**2.7**	**4.5**	**1.3 J**	**1.3 J**	**3.8**	**1.4 J**	**1.6 J**	**1.3 J**	**1.6 J**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	**1.9**	**0.79**	**0.11 J**	**0.1 J**	**0.1 J**	**0.34 J**	**0.12 J**	**0.15 J**	0.54 U	**0.94**	**0.12 J**	**0.18 J**	**0.13 J**	0.55 U	0.58 U
Inorganics	Sodium	7440-23-5	-	mg/kg	220 J	200 J	99 J	490 J	240 J	440 J	590	500	720	480 J	730	190 J	190 J	680	580
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.55 U	0.6 U	0.55 U	0.52 U	0.57 U	0.54 U	0.5 U	0.52 U	0.54 U	0.54 U	0.55 U	0.55 U	0.58 U	0.55 U	0.58 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	14 J	18 J	19 J	33	25	38	**60**	36	22	**42**	34	25	24	16	16
Inorganics	Zinc	7440-66-6	**119**	mg/kg	**200 J**	**140 J**	45 J	**140 J-**	79 J-	**230 J-**	**170 J-**	110 J-	65 J-	**280 J-**	83 J-	**120 J-**	96 J-	43 J-	49 J-

Notes:

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Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-69	RI-SB-69	RI-SB-69	RI-SB-70	RI-SB-70	RI-SB-70	RI-SB-71	RI-SB-71	RI-SB-71	RI-SB-72	RI-SB-72	RI-SB-72	RI-SB-73	RI-SB-73	RI-SB-73	RI-SB-73
Sample #					RI-SB-69 (0-0.5)	RI-SB-69 (1-2)	RI-SB-69 (9-10)	RI-SB-70 (0-0.5)	RI-SB-70 (1-2)	RI-SB-70 (4-5)	RI-SB-71 (0-0.5)	RI-SB-71 (1-2)	RI-SB-71 (8-9)	RI-SB-72 (0-0.5)	RI-SB-72 (1-2)	RI-SB-72 (8-9)	RI-SB-73 (0-0.5)	RI-SB-73 (1-2)	RI-SB-73 (2.5-3.5)	RI-SB-73A (2.5-3.5)
Start Depth					0	1	9	0	1	4	0	1	8	0	1	8	0	1	2.5	2.5
End Depth					0.5	2	10	0.5	2	5	0.5	2	9	0.5	2	9	0.5	2	3.5	3.5
Depth Unit					ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Parent Sample #					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RI-SB-73 (2.5-3.5)
Sample Date					6/4/2025	6/4/2025	6/4/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**22000 J**	**11000 J**	5500 J	**20000**	**29000**	**20000**	**20000**	**28000**	**25000**	**18000**	**30000**	**23000**	**22000**	**28000**	**29000**	**29000**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	1 UJ	1 UJ	**14 J+**	**2 J+**	1.1 UJ	**9 J+**	**14 J+**	1.1 UJ	1.1 UJ	**2.9 J+**	1 UJ	1.1 UJ	1.1 UJ	1 UJ	1.1 UJ	1.1 UJ
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**0.97**	**2.9**	**10**	**9.5 J**	**1.1 J**	**4 J**	**78 J**	**2.2 J**	**5.6 J**	**7.4 J**	**1.5 J**	**6.2 J**	**1.8 J**	**0.68 J**	**0.69 J**	**0.81 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	260	140	**860**	170	**440**	**320**	240	**440**	180	160	**370**	220	230	250	**320**	**310**
Inorganics	Beryllium	7440-41-7	16	mg/kg	9.3	2.7	0.41 J	3.1 J	7.4 J	4 J	8.1 J	6.9 J	4.8 J	3.9 J	7.8 J	3.7 J	7.2 J	7.2 J	7.6 J	7.4 J
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	0.13 J	0.4 J	**2.7**	**2 J+**	0.54 UJ	**1.6 J+**	**5.3 J+**	0.55 UJ	0.57 UJ	**0.85 J+**	0.51 UJ	**0.92 J+**	0.54 UJ	0.51 UJ	0.57 UJ	0.56 UJ
Inorganics	Calcium	7440-70-2	-	mg/kg	240000	160000	19000	230000 J	260000 J	130000 J	65000 J	200000 J	190000 J	180000 J	260000 J	150000 J	190000 J	250000 J	260000 J	260000 J
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**14 J**	**220 J**	**150 J**	**590**	**140**	**85**	**60**	**17**	**72**	**200**	**630**	**63**	**34**	**23**	**7.7**	**8.7**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	0.21 J	**1.7**	**13**	**3.7 J**	0.44 J	**3.2 J**	**4 J**	0.44 J	**1.7 J**	**2 J**	0.49 J	**4.8 J**	**0.86 J**	0.12 J	0.14 J	0.15 J
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	3.6	15	**320**	**93 J**	7.3 J	**180 J**	32 J	3.9 J	43 J	**59 J**	6.4 J	**110 J**	6.9 J	1.6 J	2.4 J	2.5 J
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	**0.85 J**	**0.63 J**	**1.1 J**	**1.2 J**	**0.72 J**	**0.85 J**	**31 J**	**2 J**	**1.9 J**	**1.3 J**	**2.8 J**	**0.55 J**	**0.52 J**	**0.45 J**	**0.35 J**	**0.28 J**
Inorganics	Iron	7439-89-6	**6**	mg/kg	**4700 J**	**49000 J**	**98000 J**	**120000 J+**	**6800 J+**	**24000 J+**	**140000 J+**	**5900 J+**	**15000 J+**	**88000 J+**	**11000 J+**	**35000 J+**	**11000 J+**	**4000 J+**	**2300 J+**	**3900 J+**
Inorganics	Lead	7439-92-1	**180**	mg/kg	10	43	**310**	**240 J+**	23 J+	**210 J+**	**860 J+**	22 J+	51 J+	120 J+	19 J+	54 J+	10 J+	4.5 J+	2.4 J+	3.4 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**36000 J**	**24000 J**	1600 J	**37000 J**	**40000 J**	**11000 J**	**15000 J**	**58000 J**	**30000 J**	**38000 J**	**34000 J**	**17000 J**	**40000 J**	**70000 J**	**43000 J**	**42000 J**
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**1600 J**	**9400 J**	**2100 J**	**14000**	**3300**	**2900**	**3300**	**3100**	**3800**	**7600**	**5000**	**3400**	**1600**	**3100**	**2800**	**3000**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	0.099 U	0.016 J	**1.7**	0.028 J	0.1 UJ	**0.32 J**	**0.097 J**	0.097 UJ	0.026 J	0.032 J	0.034 J	0.042 J	0.0095 J	0.11 UJ	0.1 UJ	0.12 UJ
Inorganics	Nickel	7440-02-0	**52**	mg/kg	2.1	9.3	**370**	**60 J**	5 J	**83 J**	15 J	3.9 J	6.9 J	16 J	4.2 J	46 J	4.1 J	0.94 J	1.5 J	1.2 J
Inorganics	Potassium	7440-09-7	-	mg/kg	970	820	640	1200	980	1200	2100	1400	1300	810	1500	1800	1400	990	840	980
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	**6.3**	**3**	2.9 U	**2.5 J**	**6**	**4.7**	**3 J**	**5.3**	**4**	**2.8**	**7.1**	**5.8**	**4**	**6.6**	**5.8**	**5.2**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	0.52 U	**0.1 J**	**2**	**2.1**	0.54 U	**0.13 J**	**2.7**	0.079 J	**0.15 J**	**0.44 J**	0.51 U	**0.5 J**	0.54 U	0.51 U	0.57 U	0.56 U
Inorganics	Sodium	7440-23-5	-	mg/kg	780	610	460 J	710	840	480 J	760	900	760	500 J	1000	500 J	810	840	860	910
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.52 U	0.51 U	0.58 U	0.57 U	0.54 U	0.53 U	**5.4 J+**	0.55 U	0.57 U	**0.56 J+**	0.51 U	0.54 U	0.54 U	0.51 U	0.57 U	0.56 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	13	**97**	15	**140**	9.2	11	36	7.8	25	**74**	18	17	21	6.5	5.5	4.6
Inorganics	Zinc	7440-66-6	**119**	mg/kg	97 J-	**270 J-**	**830 J-**	**1600 J**	21 J	**210 J**	**4000 J**	82 J	**180 J**	**840 J**	30 J	**260 J**	99 J	20 J	4.5 J	4.5 J

Notes:

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Table N - Year 2 Inorganics Analytical Data Table

Location					RI-SB-74	RI-SB-74	RI-SB-74	RI-SB-75	RI-SB-75
Sample #					RI-SB-74 (0-0.5)	RI-SB-74 (1-2)	RI-SB-74 (11-12)	RI-SB-75 (1-2)	RI-SB-75 (4-5)
Start Depth					0	1	11	1	1
End Depth					0.5	2	12	2	2
Depth Unit					ft	ft	ft	ft	ft
Sample Type					N	N	N	N	N
Parent Sample #					-	-	-	-	-
Sample Date					6/5/2025	6/5/2025	6/5/2025	5/27/2025	5/27/2025
Method	Analyte	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results
Inorganics	Aluminum	7429-90-5	**6900**	mg/kg	**11000**	**13000**	**12000**	**7800**	**18000**
Inorganics	Antimony	7440-36-0	**1.2**	mg/kg	1.1 UJ	1 UJ	**1.5 J+**	**5.9 J+**	1.1 UJ
Inorganics	Arsenic	7440-38-2	**0.68**	mg/kg	**4.8 J**	**10 J**	**4.4 J**	**2.8 J**	**5 J**
Inorganics	Barium	7440-39-3	**288**	mg/kg	72	58	100	**600**	230
Inorganics	Beryllium	7440-41-7	16	mg/kg	0.54	0.45 J	1.7	0.5 J	1.1
Inorganics	Cadmium	7440-43-9	**0.71**	mg/kg	**0.87 J**	0.37 J	**1.2 J**	**4.5 J+**	0.65 J+
Inorganics	Calcium	7440-70-2	-	mg/kg	170000 J	280000 J	73000 J	120000	92000
Inorganics	Chromium	7440-47-3	**0.95**	mg/kg	**900 J**	**890 J**	**61 J**	**600 J**	**210 J**
Inorganics	Cobalt	7440-48-4	**0.54**	mg/kg	**4.4 J**	**5.4 J**	**3.1 J**	**2.1**	**2.7**
Inorganics	Copper	7440-50-8	**51.8**	mg/kg	47	22	**230**	**77 J**	**63 J**
Inorganics	Cyanide	57-12-5	**0.1**	mg/kg	**0.47 J**	0.52 U	**0.34 J**	**0.6**	**0.8**
Inorganics	Iron	7439-89-6	**6**	mg/kg	**300000 J+**	**290000 J+**	**35000 J+**	**110000**	**33000**
Inorganics	Lead	7439-92-1	**180**	mg/kg	100	33	43	**390 J+**	34 J+
Inorganics	Magnesium	7439-95-4	**8000**	mg/kg	**35000 J**	**37000 J**	5900 J	**21000**	5800
Inorganics	Manganese	7439-96-5	**1**	mg/kg	**23000 J**	**25000 J**	**2500 J**	**32000**	**12000**
Inorganics	Mercury	7439-97-6	**0.05**	mg/kg	**0.087 J**	0.032 J	0.047 J	0.036 J	0.02 J
Inorganics	Nickel	7440-02-0	**52**	mg/kg	35 J	17 J	40 J	21 J	17 J
Inorganics	Potassium	7440-09-7	-	mg/kg	130 J	89 J	1000	590	1200
Inorganics	Selenium	7782-49-2	**0.4**	mg/kg	2.7 UJ	2.6 UJ	**1.7 J**	**1.8 J**	**1.8 J**
Inorganics	Silver	7440-22-4	**0.1**	mg/kg	**0.63**	**0.14 J**	0.057 J	0.064 J	0.06 J
Inorganics	Sodium	7440-23-5	-	mg/kg	260 J	180 J	330 J	280 J	1100
Inorganics	Thallium	7440-28-0	**0.078**	mg/kg	0.54 U	0.52 U	0.55 U	0.54 U	0.56 U
Inorganics	Vanadium	7440-62-2	**39**	mg/kg	**300 J**	**520 J**	21 J	**140**	24
Inorganics	Zinc	7440-66-6	**119**	mg/kg	**990 J-**	**240 J-**	49 J-	**310 J**	**160 J**

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table O - Year 2 PFAS Analytical Data Table

Location						RI-SB-43	RI-SB-44	RI-SB-45	RI-SB-46	RI-SB-47	RI-SB-48	RI-SB-49	RI-SB-50	RI-SB-51	RI-SB-52	RI-SB-53	RI-SB-54
Sample #						RI-SB-43 (1-2)	RI-SB-44 (1-2)	RI-SB-45 (1-2)	RI-SB-46 (1-2)	RI-SB-47 (1-2)	RI-SB-48 (1-2)	RI-SB-49 (1-2)	RI-SB-50 (1-2)	RI-SB-51 (1-2)	RI-SB-52 (1-2)	RI-SB-53 (1-2)	RI-SB-54 (1-2)
Start Depth						1	1	1	1	1	1	1	1	1	1	1	1
End Depth						2	2	2	2	2	2	2	2	2	2	2	2
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						5/23/2025	5/29/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	6/2/2025	6/2/2025	5/30/2025	5/22/2025	6/2/2025	5/21/2025
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluorobutanoic acid	PFBA	375-22-4	13000	ng/kg	99.2 U	136 U	111 U	131 U	137 U	116 U	134 U	121 U	132 U	145 U	131 U	133 U
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	99.2 U	136 U	111 U	131 U	137 U	116 U	134 U	121 U	132 U	145 U	131 U	133 U
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	317	23.2 U	26.8 U	24.2 U	26.4 U	48.6	26.1 U	60.1
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	45.7	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	40.3
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	36.2	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	28.5
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	**47.5**	26.1 U	26.6 U
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	19.8 UJ	27.2 U	22.2 UJ	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	19.8 UJ	27.2 UJ	22.2 UJ	26.1 U	27.4 U	23.2 UJ	26.8 UJ	24.2 UJ	26.4 U	29 U	26.1 UJ	26.6 U
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	19.8 UJ	27.2 UJ	22.2 UJ	26.1 U	27.4 U	23.2 UJ	26.8 UJ	24.2 UJ	26.4 U	180	26.1 UJ	26.6 U
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	129	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	342	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Perfluorosulfonic Acids	Sodium perfluorododecanesulfonate	PFDoS	1260224-54-1	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Fluorotelomer Carboxylic Acids	3-Perfluoropropyl propanoic acid	3:3 FTCA	356-02-5	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Fluorotelomer Carboxylic Acids	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Fluorotelomer Carboxylic Acids	3-Perfluoroheptyl propanoic acid	7:3 FTCA	812-70-4	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Precursors	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Precursors	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Precursors	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 UJ	23.2 U	26.8 U	24.2 U	26.4 U	29 UJ	26.1 U	26.6 U
Precursors	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 UJ	23.2 U	26.8 U	24.2 U	26.4 U	29 UJ	26.1 UJ	26.6 U
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Replacement PFAS	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Replacement PFAS	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Replacement PFAS	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Replacement PFAS	Potassium perfluoro(2-ethoxyethane)sulfonate	PFEESA	117205-07-9	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Other PFAS	3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	FHUEA	70887-88-6	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Other PFAS	2H-Perfluoro-2-decenoic acid	FOUEA	70887-84-2	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Other PFAS	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115)	LiTFSI	90076-65-6	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	27.4 U	23.2 U	26.8 U	45	26.4 U	29 U	26.1 U	26.6 U
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	51.6	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	19.8 U	27.2 U	22.2 U	57.8 J	3070	23.2 U	26.8 U	24.2 U	26.4 U	29 U	26.1 U	26.6 U
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	19.8 U	27.2 U	22.2 U	26.1 U	394	23.2 U	53.8	24.2 U	26.4 U	43.9	26.1 U	58.1
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	19.8 U	112	105 J	60.4	6000	116	471	75.4	60.4	178 J	33	190 J

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
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U - Not Detected

Table O - Year 2 PFAS Analytical Data Table

Location						RI-SB-55	RI-SB-56	RI-SB-57	RI-SB-58	RI-SB-59	RI-SB-61	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-65	RI-SB-66	RI-SB-67
Sample #						RI-SB-55 (1-2)	RI-SB-56 (1-2)	RI-SB-57 (1-2)	RI-SB-58 (1-2)	RI-SB-59 (1-2)	RI-SB-61 (1-2)	RI-SB-63 (1-2)	RI-SB-63A (1-2)	RI-SB-64 (1-2)	RI-SB-65 (1-2)	RI-SB-66 (1-2)	RI-SB-67 (3-3.5)
Start Depth						1	1	1	1	1	1	1	1	1	1	1	3
End Depth						2	2	2	2	2	2	2	2	2	2	2	3.5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						6/3/2025	5/20/2025	6/4/2025	6/5/2025	6/3/2025	6/6/2025	5/22/2025	5/22/2025	6/10/2025	5/20/2025	6/4/2025	6/4/2025
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluorobutanoic acid	PFBA	375-22-4	13000	ng/kg	144 U	143 U	143 U	137 U	127 U	106 U	148 U	137 U	125 U	136 U	116 U	136 U
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	144 U	143 U	143 U	137 U	127 U	106 U	148 U	137 U	125 U	136 U	116 U	136 U
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	28.8 U	39.4 J	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	28.8 U	**61.6**	28.6 U	27.4 U	25.4 U	**28.9**	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	28.8 U	57.8	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	27.1 J	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 UJ	21.1 UJ	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 UJ	21.1 UJ	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Perfluorosulfonic Acids	Sodium perfluorododecanesulfonate	PFDoS	1260224-54-1	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Fluorotelomer Carboxylic Acids	3-Perfluoropropyl propanoic acid	3:3 FTCA	356-02-5	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Fluorotelomer Carboxylic Acids	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Fluorotelomer Carboxylic Acids	3-Perfluoroheptyl propanoic acid	7:3 FTCA	812-70-4	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Precursors	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Precursors	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	28.8 U	28.6 U	28.6 U	64.8	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Precursors	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	-	ng/kg	28.8 U	28.6 UJ	28.6 U	27.4 U	25.4 U	21.1 U	29.5 UJ	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Precursors	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	-	ng/kg	28.8 UJ	28.6 UJ	28.6 UJ	27.4 U	25.4 UJ	21.1 UJ	29.5 UJ	27.5 UJ	25.1 UJ	27.2 UJ	23.3 UJ	27.2 U
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Replacement PFAS	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Replacement PFAS	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Replacement PFAS	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Replacement PFAS	Potassium perfluoro(2-ethoxyethane)sulfonate	PFEESA	117205-07-9	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	FHUEA	70887-88-6	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	2H-Perfluoro-2-decenoic acid	FOUEA	70887-84-2	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115)	LiTFSI	90076-65-6	-	ng/kg	28.8 U	31.5	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	28.8 U	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	29.4	28.6 U	28.6 U	27.4 U	25.4 U	21.1 U	29.5 U	27.5 U	25.1 U	27.2 U	23.3 U	27.2 U
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	92.5	155 J	47.8	79.4	25.4 U	60	29.5 U	27.5 U	25.1 U	38.7 J	121	27.2 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate
J+ - The result is an estimated quantity, but the results may be biased high
J- - The result is an estimated quantity, but The results may be biased low
U - Not Detected

Table O - Year 2 PFAS Analytical Data Table

Location						RI-SB-68	RI-SB-69	RI-SB-70	RI-SB-71	RI-SB-72	RI-SB-73	RI-SB-74	RI-SB-75
Sample #						RI-SB-68 (2-3)	RI-SB-69 (1-2)	RI-SB-70 (1-2)	RI-SB-71 (1-2)	RI-SB-72 (1-2)	RI-SB-73 (1-2)	RI-SB-74 (1-2)	RI-SB-75 (4-5)
Start Depth						1	1	1	1	1	1	1	1
End Depth						2	2	2	2	2	2	2	2
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-
Sample Date						6/9/2025	6/4/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/5/2025	5/27/2025
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluorobutanoic acid	PFBA	375-22-4	13000	ng/kg	146 U	131 U	152 U	123 U	132 U	148 U	144 U	163 U
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	-	ng/kg	146 U	131 U	152 U	123 U	132 U	148 U	144 U	163 U
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	4800	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	840	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	87.8	32.6 U
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	**0.162**	ng/kg	29.3 U	26.3 U	**60.3**	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	90000	ng/kg	29.3 U	26.3 U	30.6	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	320000	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 UJ	32.6 U
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 UJ	32.6 U
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	6300000	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 UJ	32.6 UJ
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Perfluorosulfonic Acids	Sodium perfluorododecanesulfonate	PFDoS	1260224-54-1	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Fluorotelomer Carboxylic Acids	3-Perfluoropropyl propanoic acid	3:3 FTCA	356-02-5	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Fluorotelomer Carboxylic Acids	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Fluorotelomer Carboxylic Acids	3-Perfluoroheptyl propanoic acid	7:3 FTCA	812-70-4	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 UJ	32.6 U
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 UJ	32.6 U
Precursors	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Precursors	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	-	ng/kg	29.3 U	26.3 U	115 U	24.5 U	26.3 U	29.5 U	28.8 UJ	32.6 U
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 UJ	32.6 U
Precursors	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	-	ng/kg	29.3 U	26.3 U	30.4 UJ	24.5 U	26.3 U	29.5 U	28.8 U	32.6 UJ
Precursors	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	-	ng/kg	29.3 U	26.3 U	30.4 UJ	24.5 U	26.3 U	29.5 U	28.8 U	32.6 UJ
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	200	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Replacement PFAS	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Replacement PFAS	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Replacement PFAS	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Replacement PFAS	Potassium perfluoro(2-ethoxyethane)sulfonate	PFEESA	117205-07-9	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	FHUEA	70887-88-6	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	2H-Perfluoro-2-decenoic acid	FOUEA	70887-84-2	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115)	LiTFSI	90076-65-6	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	-	ng/kg	29.3 U	26.3 U	30.4 U	24.5 U	26.3 U	29.5 U	28.8 U	32.6 U
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	-	ng/kg	29.3 U	26.3 U	91.7	28.4 U	26.3 U	29.5 U	124	32.6 U

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved Final Quality Assurance Plan for the McLouth Steel Corp. Superfund Site (April 2025)

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
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U - Not Detected

Table P - Year 2 General Chemistry Data Table

Location						RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-45	RI-SB-45	RI-SB-46	RI-SB-46	RI-SB-47	RI-SB-47	RI-SB-48	RI-SB-48
Sample #						RI-SB-43 (0-0.5)	RI-SB-43 (1-2)	RI-SB-44 (0-0.5)	RI-SB-44 (1-2)	RI-SB-45 (0-0.5)	RI-SB-45 (1-2)	RI-SB-46 (0-0.5)	RI-SB-46 (1-2)	RI-SB-47 (0-0.5)	RI-SB-47 (1-2)	RI-SB-48 (0-0.5)	RI-SB-48 (1-2)
Start Depth						0	1	0	1	0	1	0	4	0	1	0	1
End Depth						0.5	2	0.5	2	0.5	2	0.5	5	0.5	2	0.5	2
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025	5/29/2025
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	-	92	-	92	-	87.3	-	90	-	87.8	-	90.3
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	13800	2430	39100	6280	40900	3940	35000	37500	11700	49200	21300	4320
General Chemistry	Water Content	-	WC	-	%	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an

Table P - Year 2 General Chemistry Data Table

Location						RI-SB-49	RI-SB-49	RI-SB-49	RI-SB-50	RI-SB-50	RI-SB-51	RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52	RI-SB-53	RI-SB-53	RI-SB-54	RI-SB-54	RI-SB-55	RI-SB-55	RI-SB-56	RI-SB-56
Sample #						RI-SB-49 (0-0.5)	RI-SB-49 (1-2)	RI-SB-49A (0-0.5)	RI-SB-50 (0-0.5)	RI-SB-50 (1-2)	RI-SB-51 (0-0.5)	RI-SB-51 (1-2)	RI-SB-51 (21-22)	RI-SB-52 (0-0.5)	RI-SB-52 (1-2)	RI-SB-53 (0-0.5)	RI-SB-53 (1-2)	RI-SB-54 (0-0.5)	RI-SB-54 (1-2)	RI-SB-55 (0-0.5)	RI-SB-55 (1-2)	RI-SB-56 (0-0.5)	RI-SB-56 (1-2)
Start Depth						0	1	0	0	1	0	1	21	0	1	0	1	0	1	0	1	0	1
End Depth						0.5	2	0.5	0.5	2	0.5	2	22	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	RI-SB-49 (0-0.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						6/2/2025	6/2/2025	6/2/2025	6/2/2025	6/2/2025	5/30/2025	5/30/2025	5/30/2025	5/22/2025	5/22/2025	6/2/2025	6/2/2025	5/21/2025	5/21/2025	6/3/2025	6/3/2025	5/20/2025	5/20/2025
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	-	91.9	-	-	86.2	-	93	-	-	92.2	-	91.4	-	89.7	-	89.8	-	86.9
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	9400	6430	16400	19400	27800	31900	14100	-	45200	17300	20800	5150	18300	24900	21400	16200	22300	43000
General Chemistry	Water Content	-	WC	-	%	-	-	-	-	-	-	-	24.8	-	-	-	-	-	-	-	-	-	-

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an

Table P - Year 2 General Chemistry Data Table

Location						RI-SB-57	RI-SB-57	RI-SB-58	RI-SB-58	RI-SB-59	RI-SB-59	RI-SB-61	RI-SB-61	RI-SB-62	RI-SB-63	RI-SB-63	RI-SB-63	RI-SB-64	RI-SB-64	RI-SB-65	RI-SB-65	RI-SB-66	RI-SB-66	RI-SB-66
Sample #						RI-SB-57 (0-0.5)	RI-SB-57 (1-2)	RI-SB-58 (0-0.5)	RI-SB-58 (1-2)	RI-SB-59 (0-0.5)	RI-SB-59 (1-2)	RI-SB-61 (0-0.5)	RI-SB-61 (1-2)	RI-SB-62 (23-25)	RI-SB-63 (0-0.5)	RI-SB-63 (1-2)	RI-SB-63A (1-2)	RI-SB-64 (0-0.5)	RI-SB-64 (1-2)	RI-SB-65 (0-0.5)	RI-SB-65 (1-2)	RI-SB-66 (0-0.5)	RI-SB-66 (1-2)	RI-SB-66A (0-0.5)
Start Depth						0	1	0	1	0	1	0	1	23	0	1	1	0	1	0	1	0	1	0
End Depth						0.5	2	0.5	2	0.5	2	0.5	2	25	0.5	2	2	0.5	2	0.5	2	0.5	2	0.5
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	RI-SB-63 (1-2)	-	-	-	-	-	-	RI-SB-66 (0-0.5)
Sample Date						6/4/2025	6/4/2025	6/5/2025	6/5/2025	6/3/2025	6/3/2025	6/6/2025	6/6/2025	6/9/2025	5/22/2025	5/22/2025	5/22/2025	6/10/2025	6/10/2025	5/20/2025	5/20/2025	6/4/2025	6/4/2025	6/4/2025
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	-	89.4	-	87.8	-	92.6	-	84.1	-	-	84.8	84	-	86.8	-	85.1	-	84.8	-
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	21600	25600	43100	42000	25300	5690	38800	98300		26100	26800	22800	26100	18700	47900	37200	33400	51600	32300
General Chemistry	Water Content	-	WC	-	%	-	-	-	-	-	-	-	-	11.2	-	-	-	-	-	-	-	-	-	-

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an

Table P - Year 2 General Chemistry Data Table

Location						RI-SB-67	RI-SB-67	RI-SB-68	RI-SB-68	RI-SB-68	RI-SB-69	RI-SB-69	RI-SB-70	RI-SB-70	RI-SB-71	RI-SB-71	RI-SB-72	RI-SB-72	RI-SB-73	RI-SB-73	RI-SB-74	RI-SB-74	RI-SB-75
Sample #						RI-SB-67 (0-0.5)	RI-SB-67 (3-3.5)	RI-SB-68 (0-0.5)	RI-SB-68 (2-3)	RI-SB-68 (23-25)	RI-SB-69 (0-0.5)	RI-SB-69 (1-2)	RI-SB-70 (0-0.5)	RI-SB-70 (1-2)	RI-SB-71 (0-0.5)	RI-SB-71 (1-2)	RI-SB-72 (0-0.5)	RI-SB-72 (1-2)	RI-SB-73 (0-0.5)	RI-SB-73 (1-2)	RI-SB-74 (0-0.5)	RI-SB-74 (1-2)	RI-SB-75 (4-5)
Start Depth						0	3	0	1	23	0	1	0	1	0	1	0	1	0	1	0	1	1
End Depth						0.5	3.5	0.5	2	25	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2	2
Depth Unit						ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parent Sample #						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sample Date						6/4/2025	6/4/2025	6/9/2025	6/9/2025	6/9/2025	6/4/2025	6/4/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/5/2025	6/5/2025	5/27/2025
Method	Analyte	Abbrieviation	CAS #	Soil PAL	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
General Chemistry	Percent Solids	-	SOLID	-	%	-	86.8	-	89	-	-	95.9	-	89	-	90.4	-	92.5	-	87.8	-	89	83
General Chemistry	Total Organic Carbon	TOC	TOC	-	mg/kg	68000	62700	40600	33500		4630	54100	59500	25800	137000	8330	51900	8450	53200	4190	44300	14800	26200
General Chemistry	Water Content	-	WC	-	%	-	-	-	-	11.7	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Identifies results that exceed the listed PAL value

2. The Soil PAL values were sourced from Worksheet #15 of the approved

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an

Year 2 Quality Control Sample Results

Sample #					EB-01-YR2	EB-02-YR2	EB-03-YR2	EB-04-YR2	EB-05-YR2	EB-06-YR2	EB-07-YR2	EB-08-YR2	FB-01-YR2	FB-02-YR2	FB-03-YR2	FB-04-YR2	FB-05-YR2	FB-06-YR2	FB-07-YR2
Sample Type					EB	EB	EB	EB	EB	EB	EB	EB	FB	FB	FB	FB	FB	FB	FB
Sample Date					5/21/2025	5/27/2025	6/2/2025	6/9/2025	6/10/2025	6/12/2025	6/16/2025	6/23/2025	5/22/2025	5/29/2025	6/3/2025	6/10/2025	6/12/2025	6/17/2025	6/23/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	-	71-55-6	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,1,2,2-Tetrachloroethane	-	79-34-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,1,2-Trichloroethane	-	79-00-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,1,2-Trichlorotrifluoroethane	-	76-13-1	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,1-Dichloroethane	-	75-34-3	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,1-Dichloroethene	-	75-35-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,2,3-Trichlorobenzene	-	87-61-6	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	1,2,3-Trichloropropane	-	96-18-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U
VOCs	1,2,4-Trichlorobenzene	-	120-82-1	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	1,2,4-Trimethylbenzene	-	95-63-6	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	1,2-Dibromo-3-Chloropropane	-	96-12-8	µg/L	5 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U
VOCs	1,2-Dibromoethane	-	106-93-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U
VOCs	1,2-Dichlorobenzene	-	95-50-1	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	1,2-Dichloroethane	-	107-06-2	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,2-Dichloropropane	-	78-87-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	1,3,5-Trimethylbenzene	-	108-67-8	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	1,3-Dichlorobenzene	-	541-73-1	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	1,4-Dichlorobenzene	-	106-46-7	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	2-Butanone (MEK)	-	78-93-3	µg/L	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U
VOCs	2-Hexanone	-	591-78-6	µg/L	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U
VOCs	4-Methyl-2-Pentanone (MIBK)	-	108-10-1	µg/L	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U
VOCs	Acetone	-	67-64-1	µg/L	10 U	7.6 J	10 U	10 U	10 U	5 U	5 U	5 U	7.1 J	10 U	10 U	10 U	5 U	5 U	5 U
VOCs	Benzene	-	71-43-2	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Bromochloromethane	-	74-97-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Bromodichloromethane	-	75-27-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Bromoform	-	75-25-2	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Bromomethane	-	74-83-9	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 UJ	0.5 U
VOCs	Carbon Disulfide	-	75-15-0	µg/L	5 U	5 U	5 U	7.3 J	5 UJ	0.5 U	0.5 UJ	0.5 U	5 U	5 U	5 U	5 UJ	0.5 U	0.64 J-	0.5 U
VOCs	Carbon Tetrachloride	-	56-23-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Chlorobenzene	-	108-90-7	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	Chloroethane	-	75-00-3	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 UJ	0.5 UJ	5 U	5 U	5 U	5 U	2.9	0.5 UJ	0.5 UJ
VOCs	Chloroform	-	67-66-3	µg/L	5 U	5 U	5 U	8.9 J+	5.7 J+	4.5 J+	2.6	3.1	5 U	5 U	5 U	11	4.4 J+	1.4	3
VOCs	Chloromethane	-	74-87-3	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 UJ	0.5 U
VOCs	cis-1,2-Dichloroethene	-	156-59-2	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	cis-1,3-Dichloropropene	-	10061-01-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.4 U	0.4 U	0.4 U	5 U	5 U	5 U	5 U	0.4 U	0.4 U	0.4 U
VOCs	Cyclohexane	-	110-82-7	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Dibromochloromethane	-	124-48-1	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Dichlorodifluoromethane	-	75-71-8	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 UJ	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 UJ	0.5 U
VOCs	Ethylbenzene	-	100-41-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	Isopropylbenzene	-	98-82-8	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	m,p-Xylene	-	179601-23-1	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	1.1	0.5 U
VOCs	Methyl Acetate	-	79-20-9	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Methyl Tert-Butyl Ether	-	1634-04-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Methylcylohexane	-	108-87-2	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Methylene Chloride	-	75-09-2	µg/L	5 U	5 U	5 U	5 U	5 U	0.61	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.67	0.5 U	0.5 U
VOCs	o-Xylene	-	95-47-6	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.46 J	0.5 U
VOCs	Styrene	-	100-42-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	Tetrachloroethene	-	127-18-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	Toluene	-	108-88-3	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 UJ	0.5 U	0.5 U
VOCs	trans-1,2-Dichloroethene	-	156-60-5	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	trans-1,3-Dichloropropene	-	10061-02-6	µg/L	5 U	5 U	5 U	5 U	5 U	0.4 U	0.4 U	0.4 U	5 U	5 U	5 U	5 U	0.4 U	0.4 U	0.4 U
VOCs	Trichloroethene	-	79-01-6	µg/L	5 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U
VOCs	Trichlorofluoromethane	-	75-69-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U
VOCs	Vinyl Chloride	-	75-01-4	µg/L	5 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U	5 U	5 U	5 U	5 U	0.05 U	0.05 U	0.05 U

Year 2 Quality Control Sample Results

Sample #					EB-01-YR2	EB-02-YR2	EB-03-YR2	EB-04-YR2	EB-05-YR2	EB-06-YR2	EB-07-YR2	EB-08-YR2	FB-01-YR2	FB-02-YR2	FB-03-YR2	FB-04-YR2	FB-05-YR2	FB-06-YR2	FB-07-YR2
Sample Type					EB	EB	EB	EB	EB	EB	EB	EB	FB	FB	FB	FB	FB	FB	FB
Sample Date					5/21/2025	5/27/2025	6/2/2025	6/9/2025	6/10/2025	6/12/2025	6/16/2025	6/23/2025	5/22/2025	5/29/2025	6/3/2025	6/10/2025	6/12/2025	6/17/2025	6/23/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	-	92-52-4	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	1,2,4,5-Tetrachlorobenzene	-	95-94-3	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	1,4-Dioxane	-	123-91-1	µg/L	0.079 J-	2.1 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.056 J-	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	2 U
SVOCs	1-Methylnaphthalene	-	90-12-0	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	2,3,4,6-Tetrachlorophenol	-	58-90-2	µg/L	5.1 U	5.3 U	5.1 U	5.1 UJ	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 UJ	4.8 U	4.8 U	5 U
SVOCs	2,4,5-Trichlorophenol	-	95-95-4	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2,4,6-Trichlorophenol	-	88-06-2	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2,4-Dichlorophenol	-	120-83-2	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2,4-Dimethylphenol	-	105-67-9	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 UJ	4.9 UJ	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 UJ	5 UJ
SVOCs	2,4-Dinitrophenol	-	51-28-5	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	2,4-Dinitrotoluene	-	121-14-2	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2,6-Dinitrotoluene	-	606-20-2	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2-Chloronaphthalene	-	91-58-7	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2-Chlorophenol	-	95-57-8	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2-Methylnaphthalene	-	91-57-6	µg/L	5.1 U	0.016 J	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	2-Methylphenol	-	95-48-7	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	2-Nitroaniline	-	88-74-4	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	2-Nitrophenol	-	88-75-5	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	3,3'-Dichlorobenzidine	-	91-94-1	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	3-Nitroaniline	-	99-09-2	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	4,6-Dinitro-2-Methylphenol	-	534-52-1	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	4-Bromophenyl Phenyl Ether	-	101-55-3	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	4-Chloro-3-Methylphenol	-	59-50-7	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	4-Chloroaniline	-	106-47-8	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	4-Chlorophenyl Phenyl Ether	-	7005-72-3	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	4-Methylphenol	-	106-44-5	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	4-Nitroaniline	-	100-01-6	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	4-Nitrophenol	-	100-02-7	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Acenaphthene	-	83-32-9	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.061 J	0.098 U	0.061 J	4.9 U	0.1 U	0.094 U	0.1 U	0.062 J	0.048 J	0.098 U
SVOCs	Acenaphthylene	-	208-96-8	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Acetophenone	-	98-86-2	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Anthracene	-	120-12-7	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	4.9 U	0.098 UJ	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	4.8 U	0.098 UJ
SVOCs	Atrazine	-	1912-24-9	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Benzaldehyde	-	100-52-7	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Benzo(a)Anthracene	-	56-55-3	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Benzo(a)Pyrene	-	50-32-8	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Benzo(b)Fluoranthene	-	205-99-2	µg/L	5.1 U	5.3 U	0.1 UJ	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 UJ	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Benzo(g,h,i)Perylene	-	191-24-2	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 UJ	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 UJ
SVOCs	Benzo(k)Fluoranthene	-	207-08-9	µg/L	5.1 U	5.3 U	0.1 UJ	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 UJ	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Benzyl Butyl Phthalate	-	85-68-7	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Bis(2-Chloroethoxy)Methane	-	111-91-1	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Bis(2-Chloroethyl) Ether	-	111-44-4	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Bis(2-Ethylhexyl)Phthalate	-	117-81-7	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Bis-Chloroisopropyl Ether	-	108-60-1	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Caprolactam	-	105-60-2	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Carbazole	-	86-74-8	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Chrysene	-	218-01-9	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Dibenzo(a,h)Anthracene	-	53-70-3	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Dibenzofuran	-	132-64-9	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Diethyl Phthalate	-	84-66-2	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Dimethyl Phthalate	-	131-11-3	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Di-n-Butylphthalate	-	84-74-2	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Di-n-Octylphthalate	-	117-84-0	µg/L	10 U	11 U	10 U	10 U	9.4 UJ	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Fluoranthene	-	206-44-0	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Fluorene	-	86-73-7	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Hexachloro-1,3-Butadiene	-	87-68-3	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Hexachlorobenzene	-	118-74-1	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Hexachlorocyclopentadiene	-	77-47-4	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Hexachloroethane	-	67-72-1	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Indeno(1,2,3-cd)Pyrene	-	193-39-5	µg/L	5.1 U	5.3 U	0.017 J	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Isophorone	-	78-59-1	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Naphthalene	-	91-20-3	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.061 J	0.076 J	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.11	0.044 J
SVOCs	Nitrobenzene	-	98-95-3	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	N-Nitroso-Di-N-Propylamine	-	621-64-7	µg/L	5.1 U	5.3 U	5.1 U	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 U	5.1 U	4.8 U	4.8 U	5 U
SVOCs	N-Nitrosodiphenylamine	-	86-30-6	µg/L	5.1 U	5.3 U	5.1 UJ	5.1 U	4.7 U	4.9 U	4.9 U	4.9 U	4.9 U	5.1 U	4.7 UJ	5.1 U	4.8 U	4.8 U	5 U
SVOCs	Pentachlorophenol	-	87-86-5	µg/L	10 U	11 U	10 U	0.2 U	0.19 UJ	0.2 U	0.2 U	0.2 U	9.7 U	0.2 UJ	9.4 U	0.2 U	0.19 U	0.19 U	0.2 U
SVOCs	Phenanthrene	-	85-01-8	µg/L	5.1 U	0.024 J	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U
SVOCs	Phenol	-	108-95-2	µg/L	10 U	11 U	10 U	10 U	9.4 U	9.8 U	9.7 U	9.7 U	9.7 U	10 U	9.4 U	10 U	9.5 U	9.5 U	9.9 U
SVOCs	Pyrene	-	129-00-0	µg/L	5.1 U	5.3 U	0.1 U	0.1 U	0.094 U	0.098 U	0.098 U	0.098 U	4.9 U	0.1 U	0.094 U	0.1 U	0.097 U	0.096 U	0.098 U

Year 2 Quality Control Sample Results

Sample #					EB-01-YR2	EB-02-YR2	EB-03-YR2	EB-04-YR2	EB-05-YR2	EB-06-YR2	EB-07-YR2	EB-08-YR2	FB-01-YR2	FB-02-YR2	FB-03-YR2	FB-04-YR2	FB-05-YR2	FB-06-YR2	FB-07-YR2
Sample Type					EB	EB	EB	EB	EB	EB	EB	EB	FB	FB	FB	FB	FB	FB	FB
Sample Date					5/21/2025	5/27/2025	6/2/2025	6/9/2025	6/10/2025	6/12/2025	6/16/2025	6/23/2025	5/22/2025	5/29/2025	6/3/2025	6/10/2025	6/12/2025	6/17/2025	6/23/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	-	12674-11-2	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1221	-	11104-28-2	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1232	-	11141-16-5	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1242	-	53469-21-9	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1248	-	12672-29-6	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1254	-	11097-69-1	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1260	-	11096-82-5	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1262	-	37324-23-5	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Aroclors	Aroclor 1268	-	11100-14-4	µg/L	1.1 U	1.1 U	1 UJ	1 U	1 U	-	1 U	0.98 U	1 U	1 U	1 U	1 U	-	0.98 U	0.99 U
Pesticides	4,4'-DDD	-	72-54-8	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	4,4'-DDE	-	72-55-9	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	4,4'-DDT	-	50-29-3	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	Aldrin	-	309-00-2	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Alpha-BHC	-	319-84-6	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Beta-BHC	-	319-85-7	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	cis-Chlordane	-	5103-71-9	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Delta-BHC	-	319-86-8	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Dieldrin	-	60-57-1	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	Endosulfan I	-	959-98-8	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Endosulfan II	-	33213-65-9	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	Endosulfan Sulfate	-	1031-07-8	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.0024 J	0.1 U	-	0.1 U	0.1 U
Pesticides	Endrin	-	72-20-8	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	Endrin Aldehyde	-	7421-93-4	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	Endrin Ketone	-	53494-70-5	µg/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U
Pesticides	Gamma-BHC (Lindane)	-	58-89-9	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Heptachlor	-	76-44-8	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Heptachlor Epoxide	-	1024-57-3	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Pesticides	Methoxychlor	-	72-43-5	µg/L	0.53 U	0.53 U	0.5 U	0.5 U	0.51 U	-	0.5 U	0.49 U	0.5 U	0.52 U	0.5 U	0.51 U	-	0.5 U	0.5 U
Pesticides	Toxaphene	-	8001-35-2	µg/L	5.3 U	5.3 U	5 U	5 U	5.1 U	-	5 U	4.9 U	5 U	5.2 U	5 U	5.1 U	-	5 U	5 U
Pesticides	trans-Chlordane	-	5103-74-2	µg/L	0.053 U	0.053 U	0.05 U	0.05 U	0.051 U	-	0.05 U	0.049 U	0.05 U	0.052 U	0.05 U	0.051 U	-	0.05 U	0.05 U
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	-	1746-01-6	pg/l	4.6 U	4.2 U	4 U	4.1 U	4.3 U	-	4.4 U	4.4 U	-	4.1 U	3.9 U	4 U	-	4 U	4 U
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	-	40321-76-4	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	-	39227-28-6	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	-	57653-85-7	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	-	19408-74-3	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	-	35822-46-9	pg/l	29 U	27 U	25 U	12 J	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	-	3268-87-9	pg/l	130 U	120 U	110 U	100 J	120 U	-	120 U	120 U	-	110 U	110 U	110 U	-	110 U	110 U
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	-	51207-31-9	pg/l	5.7 U	5.3 U	5 U	5.2 U	5.3 U	-	5.5 U	5.4 U	-	5.1 U	4.9 U	5 U	-	5 U	5.1 U
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	-	57117-41-6	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	-	57117-31-4	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	-	70648-26-9	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	-	57117-44-9	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	-	72918-21-9	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	-	60851-34-5	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	-	67562-39-4	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	-	55673-89-7	pg/l	29 U	27 U	25 U	26 U	27 U	-	28 U	27 U	-	25 U	25 U	25 U	-	25 U	25 U
Dioxin/Furans	Octachlorodibenzofuran	-	39001-02-0	pg/l	57 U	53 U	50 U	52 U	53 U	-	55 U	54 U	-	51 U	49 U	50 U	-	50 U	51 U

Year 2 Quality Control Sample Results

Sample #					EB-01-YR2	EB-02-YR2	EB-03-YR2	EB-04-YR2	EB-05-YR2	EB-06-YR2	EB-07-YR2	EB-08-YR2	FB-01-YR2	FB-02-YR2	FB-03-YR2	FB-04-YR2	FB-05-YR2	FB-06-YR2	FB-07-YR2
Sample Type					EB	EB	EB	EB	EB	EB	EB	EB	FB	FB	FB	FB	FB	FB	FB
Sample Date					5/21/2025	5/27/2025	6/2/2025	6/9/2025	6/10/2025	6/12/2025	6/16/2025	6/23/2025	5/22/2025	5/29/2025	6/3/2025	6/10/2025	6/12/2025	6/17/2025	6/23/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluorobutanoic acid	PFBA	375-22-4	ng/l	10 U	10 U	9.44 U	10.2 U	9.77 U	-	-	10.1 U	-	10.4 U	9.24 U	9.75 U	-	-	10 U
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	ng/l	10 U	10 U	9.44 U	10.2 U	9.77 U	-	-	10.1 U	-	10.4 U	9.24 U	9.75 U	-	-	10 U
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Perfluorosulfonic Acids	Sodium perfluorododecanesulfonate	PFDoS	1260224-54-1	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Fluorotelomer Carboxylic Acids	3-Perfluoropropyl propanoic acid	3:3 FTCA	356-02-5	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Fluorotelomer Carboxylic Acids	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Fluorotelomer Carboxylic Acids	3-Perfluoroheptyl propanoic acid	7:3 FTCA	812-70-4	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	ng/l	35 U	35 U	33.1 U	2.04 U	1.95 U	-	-	2.01 U	-	36.5 U	32.3 U	1.95 U	-	-	2 U
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Precursors	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Precursors	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Precursors	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Precursors	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Replacement PFAS	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Replacement PFAS	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Replacement PFAS	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Replacement PFAS	Potassium perfluoro(2-ethoxyethane)sulfonate	PFEESA	117205-07-9	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	FHUEA	70887-88-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	2H-Perfluoro-2-decenoic acid	FOUEA	70887-84-2	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115)	LiTFSI	90076-65-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	ng/l	2 U	2 U	1.89 U	2.04 U	2.05 U	-	-	2.3 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	ng/l	2 U	2 U	1.89 U	2.04 U	1.95 U	-	-	2.01 U	-	2.08 U	1.85 U	1.95 U	-	-	2 U
Inorganics	Aluminum	-	7429-90-5	µg/L	24	5.9 J	3.7 J	20 U	4.8 J	-	-	-	200 U	3.9 J	20 U	4.7 J	-	-	-
Inorganics	Aluminum	-	7429-90-5	mg/l	-	-	-	-	-	0.5 U	0.5 U	0.5 U	-	-	-	-	0.5 U	0.5 U	0.5 U
Inorganics	Antimony	-	7440-36-0	µg/L	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
Inorganics	Arsenic	-	7440-38-2	µg/L	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U
Inorganics	Barium	-	7440-39-3	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Inorganics	Beryllium	-	7440-41-7	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Inorganics	Cadmium	-	7440-43-9	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics	Calcium	-	7440-70-2	µg/L	500	500 U	500 U	500 U	5000 U	-	-	-	500 U	500 U	500 U	500 U	-	-	-
Inorganics	Calcium	-	7440-70-2	mg/l	-	-	-	-	-	0.5 U	0.5 U	0.5 U	-	-	-	-	0.5 U	0.5 U	0.5 U
Inorganics	Chromium	-	7440-47-3	µg/L	0.52 J	0.34 J	0.41 J	0.53 J	0.35 J	2 U	2 U	2 U	0.42 J	0.55 J	0.38 J	0.46 J	2 U	2 U	2 U
Inorganics	Cobalt	-	7440-48-4	µg/L	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U
Inorganics	Copper	-	7440-50-8	µg/L	0.21 J	2 U	0.15 J	0.22 J	0.14 J	2 U	2 U	2 U	2 U	0.21 J	2 U	0.32 J	2 U	2 U	2 U
Inorganics	Cyanide	-	57-12-5	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Inorganics	Iron	-	7439-89-6	µg/L	74 J	100 U	100 U	100 U	100 U	-	-	-	100 U	100 U	100 U	39 J	-	-	-
Inorganics	Iron	-	7439-89-6	mg/l	-	-	-	-	-	0.08 U	0.08 U	0.08 U	-	-	-	-	0.08 U	0.08 U	0.08 U
Inorganics	Lead	-	7439-92-1	µg/L	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U
Inorganics	Magnesium	-	7439-95-4	µg/L	37 J	500 U	500 U	500 U	5000 U	-	-	-	500 U	500 U	500 U	500 U	-	-	-
Inorganics	Magnesium	-	7439-95-4	mg/l	-	-	-	-	-	0.2 U	0.2 U	0.2 U	-	-	-	-	0.2 U	0.2 U	0.2 U
Inorganics	Manganese	-	7439-96-5	µg/L	5.6	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics	Mercury	-	7439-97-6	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
Inorganics	Nickel	-	7440-02-0	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics	Potassium	-	7440-09-7	µg/L	500 U	500 U	500 U	500 U	500 U	-	-	-	5000 U	44 J	500 U	500 U	-	-	-
Inorganics	Potassium	-	7440-09-7	mg/l	-	-	-	-	-	0.8 U	0.8 U	0.8 U	-	-	-	-	0.8 U	0.8 U	0.8 U
Inorganics	Selenium	-	7782-49-2	µg/L	5 U	5 U	5 U	5 U	5 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	2 U	2 U	2 U
Inorganics	Silver	-	7440-22-4	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics	Sodium	-	7440-23-5	µg/L	500 U	500 U	500 U	500 U	5000 U	-	-	-	500 U	500 U	500 U	500 U	-	-	-
Inorganics	Sodium	-	7440-23-5	mg/l	-	-	-	-	-	0.4 U	0.4 U	0.4 U	-	-	-	-	0.642	0.4 U	0.4 U
Inorganics	Thallium	-	7440-28-0	µg/L	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U
Inorganics	Vanadium	-	7440-62-2	µg/L	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
Inorganics	Zinc	-	7440-66-6	µg/L	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
General Chemistry	pH	-	PH	su	-	-	-	-	-	6.1 J	-	-	-	-	-	-	5.8 J	-	-

Acronyms:

CAS # - Chemical Abstract Service Number

FD - Field duplicate

N - Field sample

J - The identification of the analyte is acceptable; the reported value is an estimate

Year 2 Quality Control Sample Results

Sample # Sample Type Sample Date					PFAS-WATER-YR1 FB 5/22/2025	TB-01-YR2 TB 6/12/2025	TB-02-YR2 TB 6/13/2025	TB-03-YR2 TB 6/16/2025	TB-04-YR2 TB 6/17/2025	TB-05-YR2 TB 6/18/2025	TB-06-YR2 TB 6/19/2025	TB-07-YR2 TB 6/20/2025	TB-08-YR2 TB 6/23/2025	TB-09-YR2 TB 6/24/2025	TB-10-YR2 TB 6/25/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOCs	1,1,1-Trichloroethane	-	71-55-6	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,1,2,2-Tetrachloroethane	-	79-34-5	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,1,2-Trichloroethane	-	79-00-5	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,1,2-Trichlorotrifluoroethane	-	76-13-1	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,1-Dichloroethane	-	75-34-3	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,1-Dichloroethene	-	75-35-4	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,2,3-Trichlorobenzene	-	87-61-6	µg/L	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
VOCs	1,2,3-Trichloropropane	-	96-18-4	µg/L	5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
VOCs	1,2,4-Trichlorobenzene	-	120-82-1	µg/L	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
VOCs	1,2,4-Trimethylbenzene	-	95-63-6	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,2-Dibromo-3-Chloropropane	-	96-12-8	µg/L	5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
VOCs	1,2-Dibromoethane	-	106-93-4	µg/L	5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
VOCs	1,2-Dichlorobenzene	-	95-50-1	µg/L	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
VOCs	1,2-Dichloroethane	-	107-06-2	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,2-Dichloropropane	-	78-87-5	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,3,5-Trimethylbenzene	-	108-67-8	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	1,3-Dichlorobenzene	-	541-73-1	µg/L	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
VOCs	1,4-Dichlorobenzene	-	106-46-7	µg/L	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
VOCs	2-Butanone (MEK)	-	78-93-3	µg/L	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
VOCs	2-Hexanone	-	591-78-6	µg/L	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
VOCs	4-Methyl-2-Pentanone (MIBK)	-	108-10-1	µg/L	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
VOCs	Acetone	-	67-64-1	µg/L	8 J	5 U	6.2	5 U	4.6 J	5 U	5 U	5 UJ	5 U	5 U	5 U
VOCs	Benzene	-	71-43-2	µg/L	5 U	0.32 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Bromochloromethane	-	74-97-5	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Bromodichloromethane	-	75-27-4	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Bromoform	-	75-25-2	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Bromomethane	-	74-83-9	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Carbon Disulfide	-	75-15-0	µg/L	5 U	0.27 J	0.5 U	0.5 U	0.19 J-	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Carbon Tetrachloride	-	56-23-5	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Chlorobenzene	-	108-90-7	µg/L	5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
VOCs	Chloroethane	-	75-00-3	µg/L	5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
VOCs	Chloroform	-	67-66-3	µg/L	5 U	0.5 U	3.3	0.5 U	2.7	0.97	0.5 UJ	0.75 J	0.25 J	1.3	1.1
VOCs	Chloromethane	-	74-87-3	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	cis-1,2-Dichloroethene	-	156-59-2	µg/L	5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	cis-1,3-Dichloropropene	-	10061-01-5	µg/L	5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 UJ	0.4 U	0.4 U	0.4 U
VOCs	Cyclohexane	-	110-82-7	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Dibromochloromethane	-	124-48-1	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Dichlorodifluoromethane	-	75-71-8	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Ethylbenzene	-	100-41-4	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Isopropylbenzene	-	98-82-8	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	m,p-Xylene	-	179601-23-1	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Methyl Acetate	-	79-20-9	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Methyl Tert-Butyl Ether	-	1634-04-4	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Methylcylohexane	-	108-87-2	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Methylene Chloride	-	75-09-2	µg/L	5 U	0.5 U	0.72	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.56	0.73
VOCs	o-Xylene	-	95-47-6	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Styrene	-	100-42-5	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Tetrachloroethene	-	127-18-4	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Toluene	-	108-88-3	µg/L	5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	trans-1,2-Dichloroethene	-	156-60-5	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	trans-1,3-Dichloropropene	-	10061-02-6	µg/L	5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 UJ	0.4 U	0.4 U	0.4 U
VOCs	Trichloroethene	-	79-01-6	µg/L	5 U	0.35	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
VOCs	Trichlorofluoromethane	-	75-69-4	µg/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VOCs	Vinyl Chloride	-	75-01-4	µg/L	5 U	0.26	0.03 J	0.05 U	0.05 U	0.05 U	0.02 J	0.05 UJ	0.05 U	0.05 U	0.05 U

Year 2 Quality Control Sample Results

Sample #					PFAS-WATER-YR1	TB-01-YR2	TB-02-YR2	TB-03-YR2	TB-04-YR2	TB-05-YR2	TB-06-YR2	TB-07-YR2	TB-08-YR2	TB-09-YR2	TB-10-YR2
Sample Type					FB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample Date					5/22/2025	6/12/2025	6/13/2025	6/16/2025	6/17/2025	6/18/2025	6/19/2025	6/20/2025	6/23/2025	6/24/2025	6/25/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
SVOCs	1,1'-Biphenyl	-	92-52-4	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	1,2,4,5-Tetrachlorobenzene	-	95-94-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	1,4-Dioxane	-	123-91-1	µg/L	1.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	1-Methylnaphthalene	-	90-12-0	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,3,4,6-Tetrachlorophenol	-	58-90-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,4,5-Trichlorophenol	-	95-95-4	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,4,6-Trichlorophenol	-	88-06-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,4-Dichlorophenol	-	120-83-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,4-Dimethylphenol	-	105-67-9	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,4-Dinitrophenol	-	51-28-5	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,4-Dinitrotoluene	-	121-14-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2,6-Dinitrotoluene	-	606-20-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2-Chloronaphthalene	-	91-58-7	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2-Chlorophenol	-	95-57-8	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2-Methylnaphthalene	-	91-57-6	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2-Methylphenol	-	95-48-7	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2-Nitroaniline	-	88-74-4	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	2-Nitrophenol	-	88-75-5	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	3,3'-Dichlorobenzidine	-	91-94-1	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	3-Nitroaniline	-	99-09-2	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4,6-Dinitro-2-Methylphenol	-	534-52-1	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4-Bromophenyl Phenyl Ether	-	101-55-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4-Chloro-3-Methylphenol	-	59-50-7	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4-Chloroaniline	-	106-47-8	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4-Chlorophenyl Phenyl Ether	-	7005-72-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4-Methylphenol	-	106-44-5	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4-Nitroaniline	-	100-01-6	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	4-Nitrophenol	-	100-02-7	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Acenaphthene	-	83-32-9	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Acenaphthylene	-	208-96-8	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Acetophenone	-	98-86-2	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Anthracene	-	120-12-7	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Atrazine	-	1912-24-9	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Benzaldehyde	-	100-52-7	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Benzo(a)Anthracene	-	56-55-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Benzo(a)Pyrene	-	50-32-8	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Benzo(b)Fluoranthene	-	205-99-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Benzo(g,h,i)Perylene	-	191-24-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Benzo(k)Fluoranthene	-	207-08-9	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Benzyl Butyl Phthalate	-	85-68-7	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Bis(2-Chloroethoxy)Methane	-	111-91-1	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Bis(2-Chloroethyl) Ether	-	111-44-4	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Bis(2-Ethylhexyl)Phthalate	-	117-81-7	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Bis-Chloroisopropyl Ether	-	108-60-1	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Caprolactam	-	105-60-2	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Carbazole	-	86-74-8	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Chrysene	-	218-01-9	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzo(a,h)Anthracene	-	53-70-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzofuran	-	132-64-9	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Diethyl Phthalate	-	84-66-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Dimethyl Phthalate	-	131-11-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Di-n-Butylphthalate	-	84-74-2	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Di-n-Octylphthalate	-	117-84-0	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Fluoranthene	-	206-44-0	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Fluorene	-	86-73-7	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Hexachloro-1,3-Butadiene	-	87-68-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Hexachlorobenzene	-	118-74-1	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Hexachlorocyclopentadiene	-	77-47-4	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Hexachloroethane	-	67-72-1	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Indeno(1,2,3-cd)Pyrene	-	193-39-5	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Isophorone	-	78-59-1	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Naphthalene	-	91-20-3	µg/L	0.033 J-	-	-	-	-	-	-	-	-	-	-
SVOCs	Nitrobenzene	-	98-95-3	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	N-Nitroso-Di-N-Propylamine	-	621-64-7	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	N-Nitrosodiphenylamine	-	86-30-6	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Pentachlorophenol	-	87-86-5	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Phenanthrene	-	85-01-8	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Phenol	-	108-95-2	µg/L	9.7 U	-	-	-	-	-	-	-	-	-	-
SVOCs	Pyrene	-	129-00-0	µg/L	4.9 U	-	-	-	-	-	-	-	-	-	-

Year 2 Quality Control Sample Results

Sample # Sample Type Sample Date					PFAS-WATER-YR1 FB 5/22/2025	TB-01-YR2 TB 6/12/2025	TB-02-YR2 TB 6/13/2025	TB-03-YR2 TB 6/16/2025	TB-04-YR2 TB 6/17/2025	TB-05-YR2 TB 6/18/2025	TB-06-YR2 TB 6/19/2025	TB-07-YR2 TB 6/20/2025	TB-08-YR2 TB 6/23/2025	TB-09-YR2 TB 6/24/2025	TB-10-YR2 TB 6/25/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Aroclors	Aroclor 1016	-	12674-11-2	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1221	-	11104-28-2	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1232	-	11141-16-5	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1242	-	53469-21-9	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1248	-	12672-29-6	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1254	-	11097-69-1	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1260	-	11096-82-5	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1262	-	37324-23-5	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Aroclors	Aroclor 1268	-	11100-14-4	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	4,4'-DDD	-	72-54-8	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	4,4'-DDE	-	72-55-9	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	4,4'-DDT	-	50-29-3	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Aldrin	-	309-00-2	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Alpha-BHC	-	319-84-6	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Beta-BHC	-	319-85-7	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	cis-Chlordane	-	5103-71-9	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Delta-BHC	-	319-86-8	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Dieldrin	-	60-57-1	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Endosulfan I	-	959-98-8	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Endosulfan II	-	33213-65-9	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Endosulfan Sulfate	-	1031-07-8	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Endrin	-	72-20-8	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Endrin Aldehyde	-	7421-93-4	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Endrin Ketone	-	53494-70-5	µg/L	0.1 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Gamma-BHC (Lindane)	-	58-89-9	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Heptachlor	-	76-44-8	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Heptachlor Epoxide	-	1024-57-3	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Methoxychlor	-	72-43-5	µg/L	0.52 U	-	-	-	-	-	-	-	-	-	-
Pesticides	Toxaphene	-	8001-35-2	µg/L	5.2 U	-	-	-	-	-	-	-	-	-	-
Pesticides	trans-Chlordane	-	5103-74-2	µg/L	0.052 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	-	1746-01-6	pg/l	3.9 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	-	40321-76-4	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	-	39227-28-6	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	-	57653-85-7	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	-	19408-74-3	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	-	35822-46-9	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	Octachlorodibenzo-P-Dioxin	-	3268-87-9	pg/l	110 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,7,8-Tetrachlorodibenzofuran	-	51207-31-9	pg/l	4.9 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8-Pentachlorodibenzofuran	-	57117-41-6	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,4,7,8-Pentachlorodibenzofuran	-	57117-31-4	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	-	70648-26-9	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran	-	57117-44-9	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	-	72918-21-9	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran	-	60851-34-5	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	-	67562-39-4	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran	-	55673-89-7	pg/l	24 U	-	-	-	-	-	-	-	-	-	-
Dioxin/Furans	Octachlorodibenzofuran	-	39001-02-0	pg/l	49 U	-	-	-	-	-	-	-	-	-	-

Year 2 Quality Control Sample Results

Sample # Sample Type Sample Date					PFAS-WATER-YR1 FB 5/22/2025	TB-01-YR2 TB 6/12/2025	TB-02-YR2 TB 6/13/2025	TB-03-YR2 TB 6/16/2025	TB-04-YR2 TB 6/17/2025	TB-05-YR2 TB 6/18/2025	TB-06-YR2 TB 6/19/2025	TB-07-YR2 TB 6/20/2025	TB-08-YR2 TB 6/23/2025	TB-09-YR2 TB 6/24/2025	TB-10-YR2 TB 6/25/2025
Method	Analyte	Abbrieviation	CAS #	Units	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
Perfluorocarboxylic Acids	Perfluorobutanoic acid	PFBA	375-22-4	ng/l	10 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluoropentanoic acid	PFPeA	2706-90-3	ng/l	10 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorohexanoic acid	PFHxA	307-24-4	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluoroheptanoic acid	PFHpA	375-85-9	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorononanoic acid	PFNA	375-95-1	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorodecanoic acid	PFDA	335-76-2	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluoroundecanoic acid	PFUnA	2058-94-8	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorododecanoic acid	PFDoA	307-55-1	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorotridecanoic acid	PFTrDA	72629-94-8	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorocarboxylic Acids	Perfluorotetradecanoic acid	PFTA	376-06-7	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-pentanesulfonate	PFPeS	630402-22-1	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-heptanesulfonate	PFHpS	21934-50-9	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-nonanesulfonate	PFNS	98789-57-2	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	perfluoro-1-decanesulfonate	PFDS	2806-15-7	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Perfluorosulfonic Acids	Sodium perfluorododecanesulfonate	PFDoS	1260224-54-1	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Fluorotelomer Carboxylic Acids	3-Perfluoropropyl propanoic acid	3:3 FTCA	356-02-5	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Fluorotelomer Carboxylic Acids	2H,2H,3H,3H-Perfluorooctanoic acid	5:3 FTCA	914637-49-3	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Fluorotelomer Carboxylic Acids	3-Perfluoroheptyl propanoic acid	7:3 FTCA	812-70-4	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorohexane sulfonate	4:2 FTS	27619-93-8	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorooctane sulfonate	6:2 FTS	27619-94-9	ng/l	35 U	-	-	-	-	-	-	-	-	-	-
Fluorotelomer Sulfonates	1H,1H,2H,2H-perfluorodecane sulfonate	8:2 FTS	27619-96-1	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Precursors	Perfluorooctanesulfonamide	FOSA	754-91-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Precursors	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Precursors	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Precursors	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Precursors	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Precursors	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Precursors	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Potassium perfluoro(2-ethoxyethane)sulfonate	PFEESA	117205-07-9	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate	11Cl-PF3OUdS	83329-89-9	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Replacement PFAS	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate	9Cl-PF3ONS	73606-19-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	Ammonium 4,8-dioxa-3H-perfluorononanoate	ADONA	958445-44-8	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	FHUEA	70887-88-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	2H-Perfluoro-2-decenoic acid	FOUEA	70887-84-2	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	Lithium bis[(trifluoromethyl)sulfonyl]azanide (HQ-115)	LiTFSI	90076-65-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	perfluorobutyl sulfonate	-	29420-49-3	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	perfluorohexyl sulfonate	-	3871-99-6	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	perfluorooctanoate	PFOA	3825-26-1	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Other PFAS	perfluorooctyl sulfonate	PFOS	2795-39-3	ng/l	2 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Aluminum	-	7429-90-5	µg/L	20 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Aluminum	-	7429-90-5	mg/l	-	-	-	-	-	-	-	-	-	-	-
Inorganics	Antimony	-	7440-36-0	µg/L	2 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Arsenic	-	7440-38-2	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Barium	-	7440-39-3	µg/L	10 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Beryllium	-	7440-41-7	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Cadmium	-	7440-43-9	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Calcium	-	7440-70-2	µg/L	500 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Calcium	-	7440-70-2	mg/l	-	-	-	-	-	-	-	-	-	-	-
Inorganics	Chromium	-	7440-47-3	µg/L	0.32 J	-	-	-	-	-	-	-	-	-	-
Inorganics	Cobalt	-	7440-48-4	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Copper	-	7440-50-8	µg/L	2 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Cyanide	-	57-12-5	µg/L	10 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Iron	-	7439-89-6	µg/L	100 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Iron	-	7439-89-6	mg/l	-	-	-	-	-	-	-	-	-	-	-
Inorganics	Lead	-	7439-92-1	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Magnesium	-	7439-95-4	µg/L	500 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Magnesium	-	7439-95-4	mg/l	-	-	-	-	-	-	-	-	-	-	-
Inorganics	Manganese	-	7439-96-5	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Mercury	-	7439-97-6	µg/L	0.2 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Nickel	-	7440-02-0	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Potassium	-	7440-09-7	µg/L	500 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Potassium	-	7440-09-7	mg/l	-	-	-	-	-	-	-	-	-	-	-
Inorganics	Selenium	-	7782-49-2	µg/L	5 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Silver	-	7440-22-4	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Sodium	-	7440-23-5	µg/L	500 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Sodium	-	7440-23-5	mg/l	-	-	-	-	-	-	-	-	-	-	-
Inorganics	Thallium	-	7440-28-0	µg/L	1 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Vanadium	-	7440-62-2	µg/L	5 U	-	-	-	-	-	-	-	-	-	-
Inorganics	Zinc	-	7440-66-6	µg/L	5 U	-	-	-	-	-	-	-	-	-	-
General Chemistry	pH	-	PH	su	-	-	-	-	-	-	-	-	-	-	-

Acronyms:

CAS # - Chemical Abstract Service Number
FD - Field duplicate
N - Field sample
J - The identification of the analyte is acceptable; the reported value is an estimate

Attachment C-1

Year 1 Geotechnical Data

CDM Smith

CDM Smith Geotechnical Laboratory Testing Summary Sheet

Client: EPA Region 5 | Project Number: 107178-281860 | Reviewed By: M. Polsky - Lab Manager

Project Name: McLouth Steel Superfund Site, OU1 Y1 | Task: 3501-5F0033-0001.2.1.2

Project Location: Trenton, MI | Assigned By: T. Bennett | Date Reviewed: 9/28/2023

Sample Date	Sample	Identification Tests													
		Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Organic %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability (cm/sec)	Spec. Grav.	Soil Description
8/4/2023	RI-SB-01-0-0.5-GS	9.9			46.0	46.8	7.2							Brown well-graded sand with silt and gravel
8/3/2023	RI-SB-01-1-2-GS	13.0			27.6	52.8	19.6							Dark brown silty sand with gravel
8/4/2023	RI-SB-01-5-6-GS	22.6	42	21	0.0	12.5	87.5							Gray-brown lean clay
8/3/2023	RI-SB-02-0-0.5-GS	8.8			31.0	55.2	13.8							Dark brown silty sand with gravel
8/3/2023	RI-SB-02-1-2-GS	12.4			6.2	70.2	23.6							Dark brown silty sand (with clay lenses)
8/3/2023	RI-SB-02-3-5-GS	19.9			22.1	66.2	11.7							Black poorly graded sand with silt and gravel (with glass)
8/3/2023	RI-SB-04-0-0.5-GS	**			40.7	53.6	5.7	** Jar broke during shipment. No moisture content tested.						Gray-brown well-graded sand with silt and gravel
8/3/2023	RI-SB-04-1-2-GS	11.5			10.6	69.3	20.1							Dark brown silty sand
8/3/2023	RI-SB-04-11-12-GS	20.4	37	22	0.0	18.8	81.2							Brown lean clay with sand
8/16/2023	RI-SB-05-13-14-GS	25.5	35	21	0.0	20.8	79.2							Brown lean clay with sand
8/4/2023	RI-SB-16-0-0.5-GS	12.8			45.4	46.7	7.9							Dark brown well-graded sand with silt and gravel
8/4/2023	RI-SB-16-1-1.7-GS	13.7			34.5	54.9	10.6							Brown poorly graded sand with silt and gravel
8/4/2023	RI-SB-35-0-0.5-GS	**			23.6	66.4	10.0	** Jar broke during shipment. No moisture content tested.						Brown poorly graded sand with silt and gravel
8/4/2023	RI-SB-35-1-2-GS	10.9			32.3	63.6	4.1							Gray-brown well-graded sand with gravel
8/4/2023	RI-SB-40-0-0.5-GS	10.0			33.8	52.3	13.9							Dark brown silty sand with gravel

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Project Location: Trenton, MI | Assigned By: T. Bennett | Date Reviewed: 9/28/2023

Sample Date	Sample	Identification Tests													
		Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Organic %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability (cm/sec)	Spec. Grav.	Soil Description
8/4/2023	RI-SB-40-1-2-GS	27.8			32.6	42.9	24.5							Dark brown silty sand with gravel
8/4/2023	RI-SB-40-6-7-GS	14.4			10.7	79.7	9.6							Dark brown poorly graded sand with silt
8/28/2023	RI-SB-01-0-0.5	16.4			22.0	64.7	13.3							Gray-brown silty sand with gravel
8/28/2023	RI-SB-01-1-2	12.8			5.7	93.3	1.0							Gray-brown silty sand
8/28/2023	RI-SB-01-4-5	9.5			13.7	79.1	7.2							Dark brown poorly graded sand with silt
8/28/2023	RI-SB-02-0-0.5	11.1			15.9	61.3	22.8							Brown silty sand with gravel
8/28/2023	RI-SB-02-1-2	14.3			12.9	74.1	13.0							Brown silty sand
8/28/2023	RI-SB-02-4-5	23.5			24.1	57.2	18.7							Black silty sand with gravel
8/28/2023	RI-SB-02A-1-2	17.5			19.1	67.7	13.2							Dark brown silty sand with gravel
8/29/2023	RI-SB-04-0-0.5	12.8			19.3	65.1	15.6							Dark brown silty sand with gravel
8/29/2023	RI-SB-04-1-2	11.4			35.6	57.7	6.7							Brown poorly graded sand with silt and gravel
8/29/2023	RI-SB-04-5-6	15.9			26.4	48.9	24.7							Brown silty sand with gravel
8/30/2023	RI-SB-23-0-0.5	7.4			43.3	50.7	6.0							Gray-brown well-graded sand with silt and gravel
8/30/2023	RI-SB-23-1-2	6.0			34.4	59.5	6.1							Dark brown poorly graded sand with silt and gravel

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Project Location: Trenton, MI | Assigned By: T. Bennett | Date Reviewed: 9/28/2023

Sample Date	Sample	Identification Tests													
		Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Organic %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability (cm/sec)	Spec. Grav.	Soil Description
8/30/2023	RI-SB-23-17-18	18.9			19.4	67.4	13.2							Dark brown silty sand with gravel
9/5/2023	RI-SB-14-0-0.5	18.8			42.2	47.6	10.2							Brown poorly graded sand with silt and gravel
9/5/2023	RI-SB-14-1-2	8.1			34.1	50.6	15.3							Dark brown silty sand with gravel
9/6/2023	RI-SB-41-0-0.5	7.1			15.4	65.5	19.1							Brown silty sand with gravel
9/6/2023	RI-SB-41-1-2	7.5			14.3	65.5	20.2							Dark brown silty sand
9/6/2023	RI-SB-41-4-5	15.9			7.9	79.3	12.8							Dark brown silty sand

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Project Location: Trenton, MI | Assigned By: T. Bennett | Date Reviewed: 10/5/2023

Sample Date	Sample	Identification Tests													Soil Description
		Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Organic %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability	Spec. Grav.		
9/14/2023	RI-SB-07-0-0.5	8.7			32.8	50.3	16.9								Dark brown silty sand with gravel
9/14/2023	RI-SB-07-1-2	9.3			13.3	74.4	12.3								Dark brown silty sand
9/14/2023	RI-SB-07-4-5	11.1			24.7	62.2	13.1								Dark brown silty sand with gravel
9/14/2023	RI-SB-08-0-0.5	13.5			43.1	48.9	8.0								Dark brown poorly graded sand with silt and gravel
9/14/2023	RI-SB-08-1-2	13.0			17.7	68.2	14.1								Brown silty sand with gravel
9/14/2023	RI-SB-08-4-5	14.5			43.2	50.5	6.3								Brown poorly graded sand with silt and gravel
9/12/2023	RI-SB-10-0-0.5	5.9			38.2	57.8	4.0								Brown poorly graded sand with gravel
9/12/2023	RI-SB-10-1-2	8.0			16.4	63.3	20.3								Gray-brown silty sand with gravel
9/12/2023	RI-SB-10-4-5	5.9			11.0	60.3	28.7								Gray-brown silty sand
9/8/2023	RI-SB-12-0-0.5	6.7			43.6	55.9	0.5								Dark brown well-graded sand with gravel (with asphalt/petroleum)
9/8/2023	RI-SB-12-1-2	8.0			39.4	60.0	0.6								Dk brown poorly-graded sand with gravel (with asphalt/petroleum)
9/8/2023	RI-SB-12-16-17	13.6			63.4	35.6	1.0								Black well-graded gravel with sand (with asphalt/petroleum)
9/8/2023	RI-SB-12A-0-0.5	7.4			38.3	60.2	1.5								Black poorly-graded gravel with sand (with asphalt/petroleum)
9/8/2023	RI-SB-13-0-0.5	8.6			28.9	65.3	5.8								Brown poorly graded sand with silt and gravel
9/8/2023	RI-SB-13-1-2	18.0			21.6	62.8	15.6								Gray-brown silty sand with gravel

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Project Location: Trenton, MI | Assigned By: T. Bennett | Date Reviewed: 10/5/2023

Sample Date	Sample	Identification Tests												Soil Description
		Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Organic %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability	Spec. Grav.	
9/8/2023	RI-SB-13-19-20	18.0			22.0	62.7	15.3							Dark brown silty sand with gravel
9/19/2023	RI-SB-16-1-2	15.7			18.7	63.6	17.7							Brown silty sand with gravel
9/19/2023	RI-SB-16-13-14	18.1			10.8	74.7	14.5							Dark brown silty sand
9/19/2023	RI-SB-25-0-0.5	11.3			0.0	99.0	1.0							Brown poorly graded gravel with silt and sand
9/19/2023	RI-SB-25-1-2	12.6			10.2	76.1	13.7							Gray-brown silty sand
9/19/2023	RI-SB-25-17-18	34.3			0.0	74.2	25.8							Dark brown silty sand
9/15/2023	RI-SB-26-0-0.5	10.0			25.7	55.7	18.6							Dark brown silty sand with gravel
9/15/2023	RI-SB-26-1-2	7.0			18.8	68.1	13.1							Brown silty sand with gravel
9/15/2023	RI-SB-26-2-3	8.1			29.1	56.6	14.3							Brown silty sand with gravel
9/15/2023	RI-SB-26A-1-2	6.9			24.9	64.7	10.4							Brown poorly graded sand with silt and gravel
9/11/2023	RI-SB-29-0-0.5	9.9			29.2	56.3	14.5							Black silty sand with gravel
9/11/2023	RI-SB-29-1-2	10.6			28.3	61.3	10.4							Brown poorly graded sand with silt and gravel
9/11/2023	RI-SB-29-4-5	9.0			15.5	52.5	32.0							Red-brown silty sand with gravel
9/20/2023	RI-SB-30-0-0.5	12.4			27.8	58.4	13.8							Light brown silty sand with gravel
9/20/2023	RI-SB-30-1-2	8.4			10.9	74.6	14.5							Gray-brown silty sand

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Project Location: Trenton, MI | Assigned By: T. Bennett | Date Reviewed: 10/5/2023

Sample Date	Sample	Identification Tests												Soil Description
		Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Organic %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability	Spec. Grav.	
9/20/2023	RI-SB-30-2-3	11.2			8.5	68.1	23.4							Brown silty sand
9/20/2023	RI-SB-31-0-0.5	12.0			32.7	55.6	11.7							Brown poorly graded sand with silt and gravel
9/20/2023	RI-SB-31-1-2	13.6			21.0	66.2	12.8							Gray-brown silty sand with gravel
9/20/2023	RI-SB-31-4-5	15.8			8.1	78.9	13.0							Gray silty sand
9/18/2023	RI-SB-32-0-0.5	20.7			2.9	77.1	20.0							Gray silty sand
9/18/2023	RI-SB-32-1-2	25.9			9.0	77.4	13.6							Dark brown silty sand
9/18/2023	RI-SB-32-18-19	38.9			0.0	11.4	88.6							Gray silt
9/18/2023	RI-SB-35-0-0.5	12.2			34.2	54.3	11.5							Gray well-graded sand with silt and gravel
9/18/2023	RI-SB-35-1-2	13.0			29.4	62.2	8.4							Gray well-graded sand with silt and gravel
9/18/2023	RI-SB-35-9-10	16.0			17.9	65.5	16.6							Dark brown silty sand with gravel
9/13/2023	RI-SB-39-0-0.5	8.5			14.4	71.2	14.4							Dark brown silty sand
9/13/2023	RI-SB-39-1-2	8.5			23.4	63.5	13.1							Dark brown silty sand with gravel
9/13/2023	RI-SB-39-2-3	7.3			21.9	63.0	15.1							Brown silty sand with gravel
9/13/2023	RI-SB-40-0-0.5	13.3			39.8	45.7	14.5							Dark brown silty sand with gravel
9/13/2023	RI-SB-40-1-2	19.5			19.5	71.1	9.4							Gray-brown poorly graded sand with silt and gravel

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Project Location: Trenton, MI | Assigned By: T. Bennett | Date Reviewed: 10/6/2023

Sample Date	Sample	Identification Tests												
		Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Organic %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability	Spec. Grav.	Soil Description
9/13/2023	RI-SB-40-3-4	27.5			23.3	64.6	12.1							Gray and brown silty sand with gravel
9/13/2023	RI-SB-40A-1-2	18.8			18.8	71.8	9.4							Gray-brown well-graded sand with silt and gravel
9/21/2023	RI-SB-42-0-0.5	7.6			25.7	66.6	7.7							Brown poorly graded sand with silt and gravel
9/21/2023	RI-SB-42-1-2	11.1			13.0	80.9	6.1							Light brown well-graded sand with silt
9/21/2023	RI-SB-42-19-20	23.1			53.1	40.1	6.8							Gray and brown poorly graded gravel with silt and sand
9/21/2023	RI-SP-01	6.7			20.2	78.7	1.1							Gray-brown poorly graded sand with gravel
9/21/2023	RI-SP-02	3.4			29.0	65.4	5.6							Light brown well-graded sand with silt and gravel

Attachment C-2

Year 2 Geotechnical Data

Attachment C - Geotechnical Results

Location						RI-SB-51	RI-SB-62	RI-SB-68
Sample #						RI-SB-51 (21-22)	RI-SB-62 (23-25)	RI-SB-68 (23-25)
Start Depth						21	23	23
End Depth						22	25	25
Depth Unit						ft	ft	ft
Sample Type						N	N	N
Parent Sample #								
Sample Date						5/30/2025	6/9/2025	6/9/2025
Method	**Analyte**	**Abbrieviation**	**CAS #**	**Soil PAL**	**Units**	**Results**		
Geotechnical	Bulk Density Of Soils		BULKDENSITY		pcf	127.3	140.3	136.9
Geotechnical	Dry Density		DRYDENSITY		pcv	100.6	126.2	118.5
Geotechnical	Liquid Limit		LIQLIM		%	52	23	23
Geotechnical	Permeability		PERM		cm/sec	1.05E-07	1.13E-07	7.09E-08
Geotechnical	Plastic Limit		PLASLIM		%	20	12	16
Geotechnical	Porosity		POROSITY		%	42.03	26.84	31.67
Geotechnical	Specific Gravity		SG		none	2.78	2.764	2.777
Geotechnical	Triaxial-Consolidated Isotropically Undrained Compressive Strength Of Soils (Ciu)		CUI		psi		41.2	25.2

Attachment C - Grain Size Results

Location						RI-SB-43	RI-SB-43	RI-SB-44	RI-SB-44	RI-SB-45
Sample #						RI-SB-43 (1-2)	RI-SB-43 (2-3)	RI-SB-44 (29-30)	RI-SB-44 (6-7)	RI-SB-45 (1-2)
Start Depth						1	2	2	6	1
End Depth						2	3	3	7	2
Depth Unit						ft	ft	ft	ft	ft
Sample Type						N	N	N	N	N
Parent Sample #										
Sample Date						5/23/2025	5/23/2025	5/29/2025	5/29/2025	5/23/2025
Method	**Analyte**	**Abbrieviation**	**CAS #**	**Soil PAL**	**Units**	**Results**				
Grain Size	Grain Size - #50 Sieve, 0.3 Mm		SIEVEUS50		%	3.2	5	3.5	3.2	4.7
Grain Size	Grain Size - Sieve, 1.5 In., Microns		%GRAV		%					
Grain Size	Percent Fines		%FINE		%					
Grain Size	Percent Organic		%ORG		%					
Grain Size	Percent Sand		%SND		%					
Grain Size	Sieve 35		SIEVEUS35		%	8.2	4.6	5	8.2	10
Grain Size	Sieve Bottom Plate		SIEVEUSBOT		%	3.8	67.3	65.2	3.3	6.9
Grain Size	Sieve No. 10, Percent Passing		SIEVE10		%	72	4.8	11	71.2	63.7
Grain Size	Sieve No. 16, Percent Passing		SIEVE16		%	8	2	3.5	7.2	7.8
Grain Size	Sieve No. 200, Percent Passing		SIEVE200		%	1.9	7	5.4	1.9	2.3
Grain Size	Sieve, No. 100, Percent Passing		SIEVE100		%	3.5	9.4	6.5	3.4	5.6

Acronyms:

CAS # - Chemical Abstract Service Number

N - Field

Attachment C - Grain Size Results

Location						RI-SB-45	RI-SB-46	RI-SB-46	RI-SB-51
Sample #						RI-SB-45 (5.5-6.5)	RI-SB-46 (11.5)	RI-SB-46 (1-2)	RI-SB-51 (15-16)
Start Depth						5.5	11.5	4	15
End Depth						6.5	11.5	5	16
Depth Unit						ft	ft	ft	ft
Sample Type						N	N	N	N
Parent Sample #									
Sample Date						5/23/2025	5/29/2025	5/29/2025	5/30/2025
Method	**Analyte**	**Abbrieviation**	**CAS #**	**Soil PAL**	**Units**	**Results**			
Grain Size	Grain Size - #50 Sieve, 0.3 Mm		SIEVEUS50		%	5.7	14.6	24.6	2.1
Grain Size	Grain Size - Sieve, 1.5 In., Microns		%GRAV		%				
Grain Size	Percent Fines		%FINE		%				
Grain Size	Percent Organic		%ORG		%				
Grain Size	Percent Sand		%SND		%				
Grain Size	Sieve 35		SIEVEUS35		%	5.9	10.1	8.7	4.7
Grain Size	Sieve Bottom Plate		SIEVEUSBOT		%	40.7	20.8	8.6	2.9
Grain Size	Sieve No. 10, Percent Passing		SIEVE10		%	24.2	21.2	19.7	82.5
Grain Size	Sieve No. 16, Percent Passing		SIEVE16		%	4.1	6	4.2	4.4
Grain Size	Sieve No. 200, Percent Passing		SIEVE200		%	6.2	9.7	7.3	1.3
Grain Size	Sieve, No. 100, Percent Passing		SIEVE100		%	12.8	18	27.4	2.5

Acronyms:

CAS # - Chemical Abstract Service Number

N - Field

Attachment C - Grain Size Results

Location						RI-SB-51	RI-SB-51	RI-SB-52	RI-SB-52
Sample #						RI-SB-51 (21-22)	RI-SB-51 (32-33)	RI-SB-52 (1-2)	RI-SB-52 (2-3)
Start Depth						21	32	1	2
End Depth						22	33	2	3
Depth Unit						ft	ft	ft	ft
Sample Type						N	N	N	N
Parent Sample #									
Sample Date						5/30/2025	5/30/2025	5/22/2025	5/22/2025
Method	**Analyte**	**Abbrieviation**	**CAS #**	**Soil PAL**	**Units**				
Grain Size	Grain Size - #50 Sieve, 0.3 Mm		SIEVEUS50		%		1.1	17.2	6.1
Grain Size	Grain Size - Sieve, 1.5 In., Microns		%GRAV		%	0			
Grain Size	Percent Fines		%FINE		%	87.7			
Grain Size	Percent Organic		%ORG		%	1.4			
Grain Size	Percent Sand		%SND		%	12.3			
Grain Size	Sieve 35		SIEVEUS35		%		2.2	33.9	12.4
Grain Size	Sieve Bottom Plate		SIEVEUSBOT		%		10.7	12.4	13.7
Grain Size	Sieve No. 10, Percent Passing		SIEVE10		%		81.2	28.8	45.8
Grain Size	Sieve No. 16, Percent Passing		SIEVE16		%		1.8	5.3	9.7
Grain Size	Sieve No. 200, Percent Passing		SIEVE200		%		1.2	1.9	4.8
Grain Size	Sieve, No. 100, Percent Passing		SIEVE100		%		1.8	9.3	7.5

Acronyms:

CAS # - Chemical Abstract Service Number

N - Field

Attachment C - Grain Size Results

Location						RI-SB-55	RI-SB-59	RI-SB-62	RI-SB-67
Sample #						RI-SB-55 (25-26)	RI-SB-59 (11-12)	RI-SB-62 (23-25)	RI-SB-67 (17-18)
Start Depth						25	11.5	23	11.5
End Depth						26	11.5	25	11.5
Depth Unit						ft	ft	ft	ft
Sample Type						N	N	N	N
Parent Sample #									
Sample Date						6/3/2025	6/3/2025	6/9/2025	6/4/2025
Method	**Analyte**	**Abbrieviation**	**CAS #**	**Soil PAL**	**Units**	**Results**			
Grain Size	Grain Size - #50 Sieve, 0.3 Mm		SIEVEUS50		%	5.5	8.8		4.7
Grain Size	Grain Size - Sieve, 1.5 In., Microns		%GRAV		%			2.1	
Grain Size	Percent Fines		%FINE		%			66.9	
Grain Size	Percent Organic		%ORG		%			0.4	
Grain Size	Percent Sand		%SND		%			31	
Grain Size	Sieve 35		SIEVEUS35		%	3.9	3.7		0.1
Grain Size	Sieve Bottom Plate		SIEVEUSBOT		%	16.2	33		21.6
Grain Size	Sieve No. 10, Percent Passing		SIEVE10		%	0.2	42.2		42.1
Grain Size	Sieve No. 16, Percent Passing		SIEVE16		%	1.1	3.3		9.8
Grain Size	Sieve No. 200, Percent Passing		SIEVE200		%	18.4	3		22.4
Grain Size	Sieve, No. 100, Percent Passing		SIEVE100		%	54.8	9.9		1.3

Acronyms:

CAS # - Chemical Abstract Service Number

N - Field

Attachment C - Grain Size Results

Location						RI-SB-68	RI-SB-75	RI-SB-75
Sample #						RI-SB-68 (23-25)	RI-SB-75 (4-5)	RI-SB-75 (9.5-10-5)
Start Depth						23	1	9.5
End Depth						25	2	10.5
Depth Unit						ft	ft	ft
Sample Type						N	N	N
Parent Sample #								
Sample Date						6/9/2025	5/27/2025	5/27/2025
Method	**Analyte**	**Abbrieviation**	**CAS #**	**Soil PAL**	**Units**	**Results**		
Grain Size	Grain Size - #50 Sieve, 0.3 Mm		SIEVEUS50		%		5.9	2.7
Grain Size	Grain Size - Sieve, 1.5 In., Microns		%GRAV		%	1.5		
Grain Size	Percent Fines		%FINE		%	67.2		
Grain Size	Percent Organic		%ORG		%	0.9		
Grain Size	Percent Sand		%SND		%	31.3		
Grain Size	Sieve 35		SIEVEUS35		%		8	7.4
Grain Size	Sieve Bottom Plate		SIEVEUSBOT		%		13.3	0.3
Grain Size	Sieve No. 10, Percent Passing		SIEVE10		%		27.9	84.2
Grain Size	Sieve No. 16, Percent Passing		SIEVE16		%		5.9	5
Grain Size	Sieve No. 200, Percent Passing		SIEVE200		%		17	3.6
Grain Size	Sieve, No. 100, Percent Passing		SIEVE100		%		22.4	2.7

Acronyms:

CAS # - Chemical Abstract Service Number

N - Field

CDM Smith Geotechnical Laboratory Testing Summary Sheet

Client: USEPA Region 5 | Project Number: 107178-281860 | Reviewed By: M. Polsky - Lab Manager

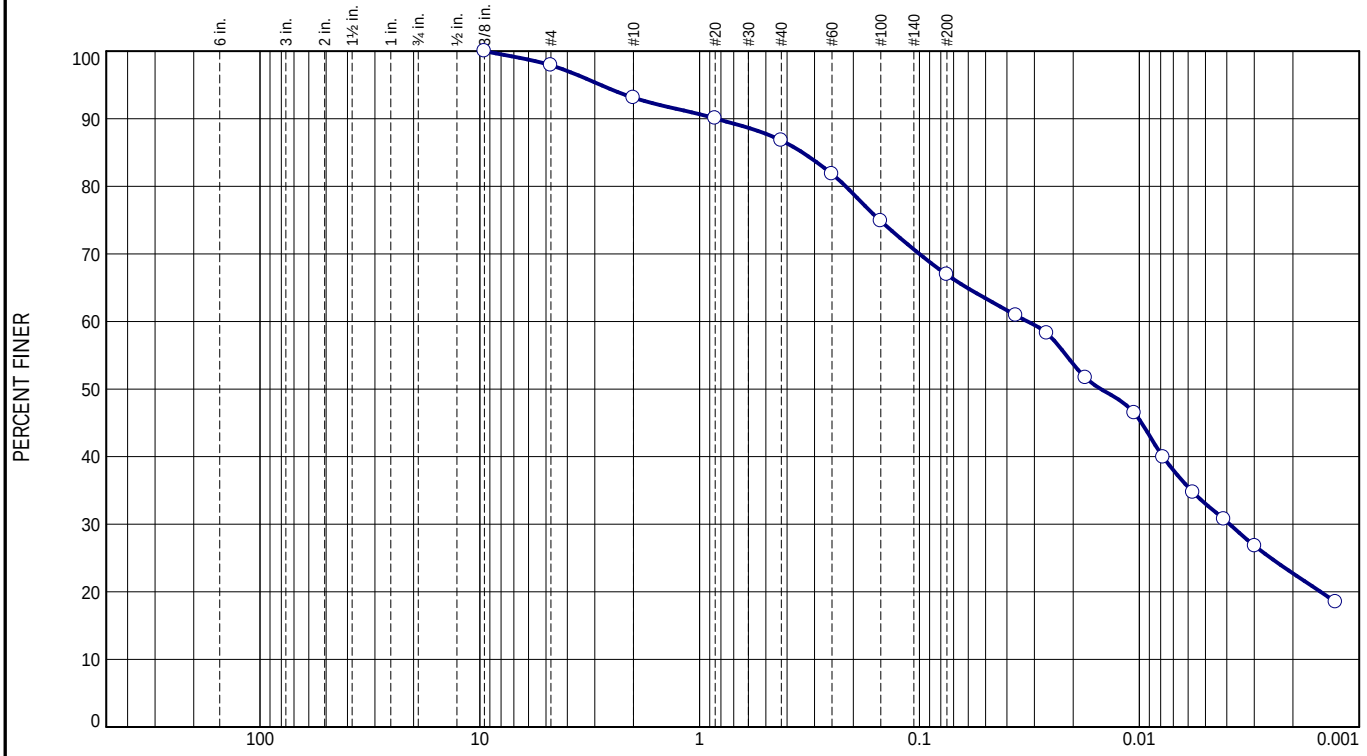
Project Name: 3051-5F0033 McLouth Steel Corp | Task: 3501-5F003-0001.2.2.1 OU1 Soil

Project Location: Detroit, MI | Assigned By: M. Passaro | Date Reviewed: 7/25/2025

Sample Date	Boring Number	Sample	Depth (ft)	Identification Tests							Porosity/Permeability					Strength Tests			Soil Description
				Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Org. %	Bulk Density pcf	Dry Density pcf	Por-osity %	Perm-eability (cm/sec)	Spec. Grav.	σ_c psi	$\sigma_1 - \sigma_3$ or τ psi	Strain %	
6/9/25	MW-62	U-1	23-25	11.2	23	12	2.1	31.0	66.9	0.4	140.3	126.2	26.84	1.13×10^{-7}	2.764	13.8	41.2	14.7	Gray sandy lean clay
	SB-68	U-2	23-25	11.7	23	16	1.5	31.3	67.2	0.9	136.9	118.5	31.67	7.09×10^{-8}	2.777	10.3	25.2	14.0	Light brown sandy silty clay
5/30/25	SB-51	U-3	21-22	24.8	52	20	0.0	12.3	87.7	1.4	127.30	100.60	42.03	1.05×10^{-7}	2.780				Gray fat clay

Particle Size Distribution Report

ASTM D6913 & D1140, D7928



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	2.1	4.8	6.3	19.9	44.2	22.7

Test Results (ASTM D6913 & D1140, D7928)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
.375	100.0			
#4	97.9			
#10	93.1			
#20	90.0			96.7
#40	86.8			93.2
#60	81.8			87.9
#100	74.9			80.4
#200	66.9			71.9
0.0364 mm.	60.9			
0.0263 mm.	58.2			
0.0176 mm.	51.7			
0.0105 mm.	46.4			
0.0078 mm.	39.9			
0.0057 mm.	34.7			
0.0041 mm.	30.7			
0.0030 mm.	26.8			
0.0013 mm.	18.5			

* (no specification provided)

Material Description

Gray sandy lean clay

Atterberg Limits

PL= 12 LL= 23 PI= 11

Coefficients

D_{90}= 0.8407 D_{85}= 0.3404 D_{60}= 0.0322
D_{50}= 0.0150 D_{30}= 0.0039 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CL AASHTO= A-6(4)

Test Remarks

As received moisture content= 4.8%

Source of Sample: MW-62 Depth: 23-25'
Sample Number: U-1 Sample Date: 6/9/25

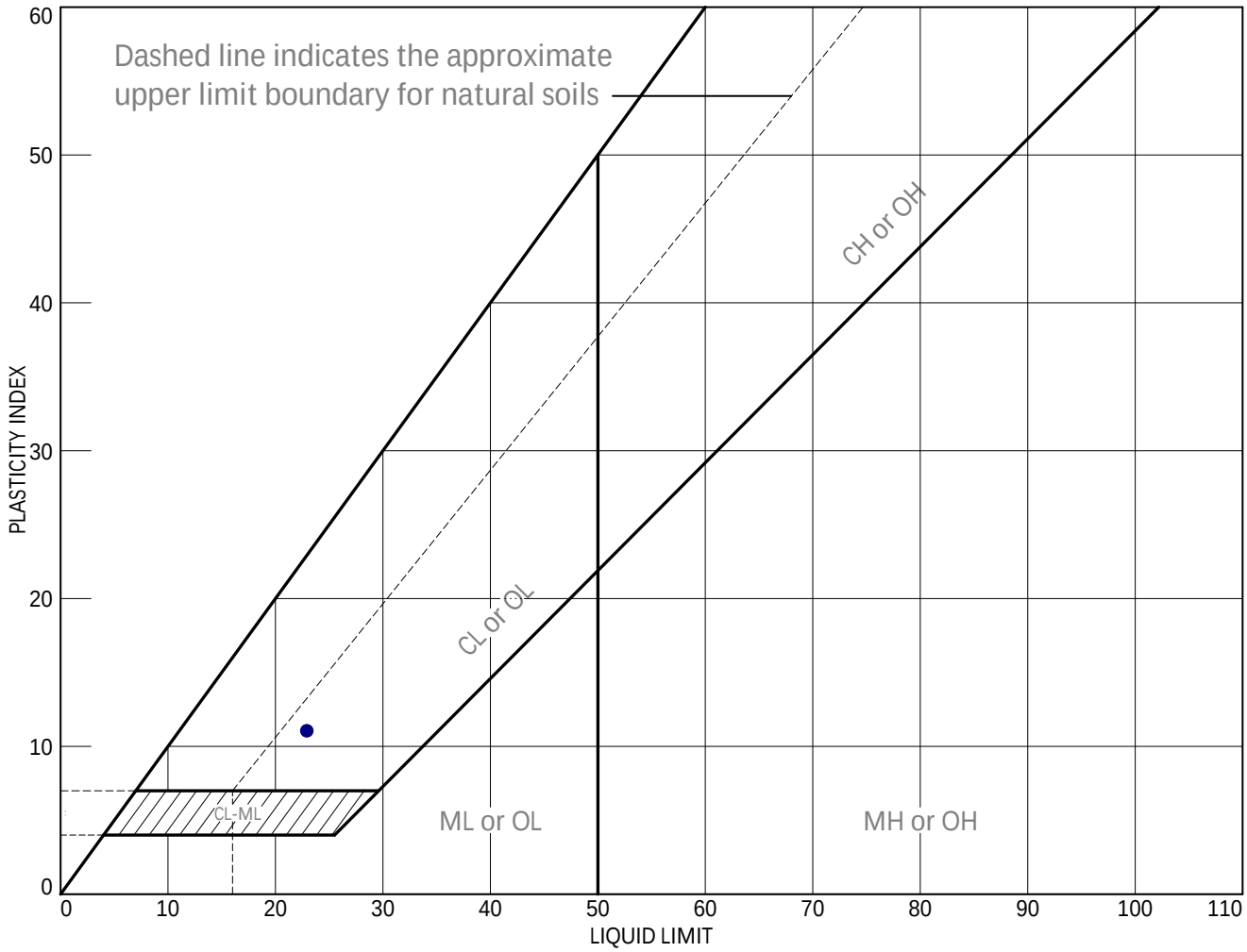
CDM Smith

Boston, Massachusetts

Client: USEPA Region 5
Project: 3051-5F0033 McLouth Steel Corp
Detroit, MI
Project No: 107178-281860

Tested By: SEB/KMS / KMS Checked By: MBP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	MW-62	U-1	23-25'	11.2	12	23	11	CL

CDM Smith

Boston, Massachusetts

Client: USEPA Region 5

Project: 3051-5F0033 McLouth Steel Corp
Detroit, MI

Project No.: 107178-281860

Tested By: SEB

Checked By: MBP

CDM Smith

Geotechnical Engineering Laboratory

Standard Test Method for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils (ASTM D2974)

Client:	USEPA Region 5		
Project Name:	3051-5F0033 McLouth Steel Corp	Tested By:	MP
Project Location:	Detroit, MI	Test Date:	7/24/25
Project Number:	107178-381860		
Sample Location:	MW-62	Procedure:	C
Sample Number:	U-1	Temperature:	440° C
Sample Depth (ft):	23-25		
Sample Date:	6/9/25		

AS RECEIVED MOISTURE CONTENT	
Tin Mass (g)	64.49
Wet Mass of Sample & Tin (g)	172.18
Dry Mass of Sample & Tin (g)	157.82
Mass of Water (g)	14.4
Mass of Dry Soil (g)	93.3
Moisture Content (%)	**15.4**

ASH CONTENT	
Porcelain Dish Mass (g)	64.49
Porcelain Dish + Oven Dried Soil (g)	157.8
Mass of Oven Dried Soil (g)	93.3
Mass of Dish & Burned Soil (g)	157.5
Mass of Burned Soil (g)	93.0
Mass of Organic Material (g)	0.3
Ash Content (%)	99.6
Organic Content (%)	**0.4**

CDM Smith

Geotechnical Engineering Laboratory

Specific Gravity and Soil Porosity Determinations
ASTM D854 and ASTM D7263

Client:	USEPA Region 5
Project Name:	3051-5F0033 McLouth Steel Corp
Project Location:	Detroit, MI
Project Number:	119011-250547
Sample ID:	MW-62
Sample Number:	U-1
Sample Depth (ft):	23-25
Sample Date:	6/9/2025

Tested By: MP/SB
Test Date: 7/24/2025

As received Moisture Content	
Container Mass (g)	80.30
Wet Mass of Sample & Cont. (g)	279.21
Dry Mass of Sample & Cont. (g)	259.20
Mass of Water (g)	20.01
Mass of Dry Soil (g)	178.90
Moisture Content (%)	**11.2%**

Volume information

Height of Cylinder (in)	5.76	14.628	(cm)	0.02132	Vol. (cf)
Diameter of Cylinder (in)	2.854	7.249	(cm)	603.73	Vol. (cc)
Wet Wt plus tube (g)	1357.20			441.69	Vs (cc)
Wt tube (g)	0.00				
Wt wet Soil (g)	1357.20	2.992	=Lbs	Wet unit Wt. **140.3**	lbs/cf
Calculated Dry Wt (g)	1220.67	2.691	=Lbs	Dry unit Wt. 126.2	lbs/cf
Mass/vol water sample (g/cc)	136.53				

Specific Gravity

Mass Wet Soil	54.55
Temp	21.0
Mass bottle+water+soil	692.57
Mass bottle+water	661.92
Mass soil	48.02
Sp. Gr. water at temp	0.99979
Sp. Gr. of SOIL	**2.764**

Specific Gravity Water Content

Container mass	23.59
Wet Sample & Cont.	67.05
Dry Sample & Cont.	61.85
Mass of Water	5.20
Dry Sample mass	38.26
Water Cont. %	13.59%

Porosity

Void Ratio	(V-Vs)/Vs	**0.367**
Porosity	**((V-Vs)/V)*100**	**26.84**
Degree of Saturation (%)	(Vw/(V-Vs))*100	**84.26**

CDM Smith

Geotechnical Engineering Laboratory

Hydraulic Conductivity Using Flexible Wall Permeameter (ASTM D5084)

Client:	USEPA Region 5	Tested by:	KMS/MBP
Project Name:	3051-5F0033 McLouth Steel Corp	Checked by:	MBP
Project Location:	Detroit, MI	Start Test Date:	7/24/2024
Project Number:	107178-281860	Permeant Fluid:	De-aired water
Sample Number:	MW-62	Sample Preparation	
Sample Location:	U-1	Procedures:	Trim from tube
Depth (ft):	23-25		
Sample Description:	Gray sandy lean clay		
Test Type:	ASTM D5084		

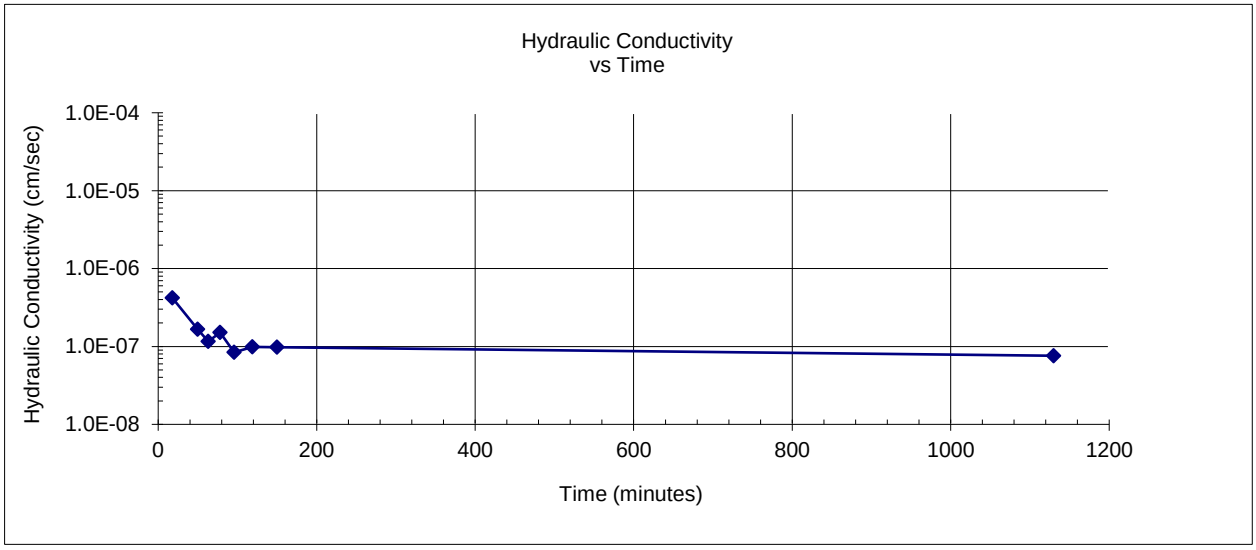
Sample Characteristics	Initial	Final
Avg. length of specimen (in)	2.42	2.42
Avg. dia. of specimen (in)	2.81	2.81
Area (sq in)	6.20	6.20
Volume (cubic in)	15.04	15.04
Moist mass (g)	536.2	532.7
Moist unit weight (pcf)	135.9	135.0
Moisture content (%)	15.8	16.6
Dry density (pcf)	117.3	115.8
Specific gravity (assumed)	2.76	2.76
Void ratio	0.47	0.49

Test Specifications	
B-Value (%):	96
Consolidation stress (psi):	0.5
Gradient (in/in):	26.9
Cell pressure (psi):	63.8
Head pressure (psi):	52.0
Tail pressure (psi):	50.0
Max effective stress (psi):	13.8
Min effective stress (psi):	11.8

Comments: _____

Hydraulic Conductivity at 20 ^{o}C = **1.13E-07** cm/sec

Average of last 7 readings



Geotechnical Engineering Laboratory

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST SUMMARY - ASTM D4767

Client:	USEPA Region 5	**Test Date:**	7/22/2025	**LL :**	23
Project:	3051-5F0033 McLouth Steel Corp	**Exploration No:**	MW-62	**PL :**	12
Location:	Detroit, MI	**Sample No:**	U-1	**PI :**	11
Project No:	07178-281860	**Depth (ft):**	24.3-24.8	**USCS:**	CL

Initial

Moisture Content (%):	11.2%
Dry Unit Weight (pcf):	126.2
Diameter (in):	2.854
Height (in):	5.759
Void Ratio (-):	0.37
Saturation (%):	84.4
Moisture Content (Trim.%):	11.2%
Cross Sectional Area (in^2):	6.397

Final

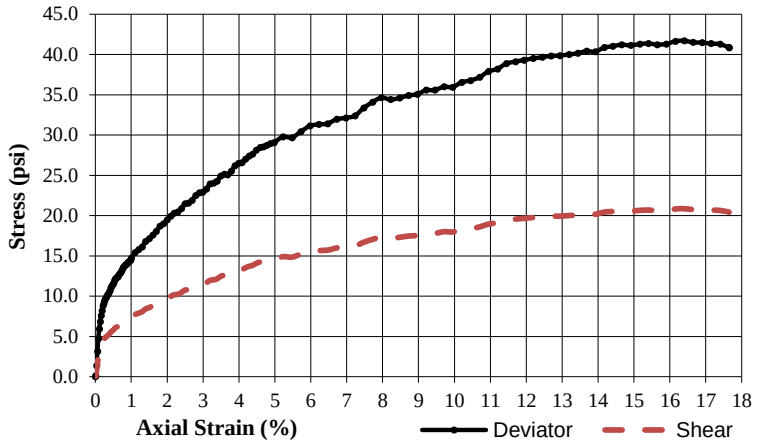
Moisture Content (%):	12.6%
Dry Unit Weight (pcf):	125.9
Height (in):	4.742
Void Ratio (-):	0.370
Saturation (%):	94.2
Cross Sectional Area (in^2):	8.354

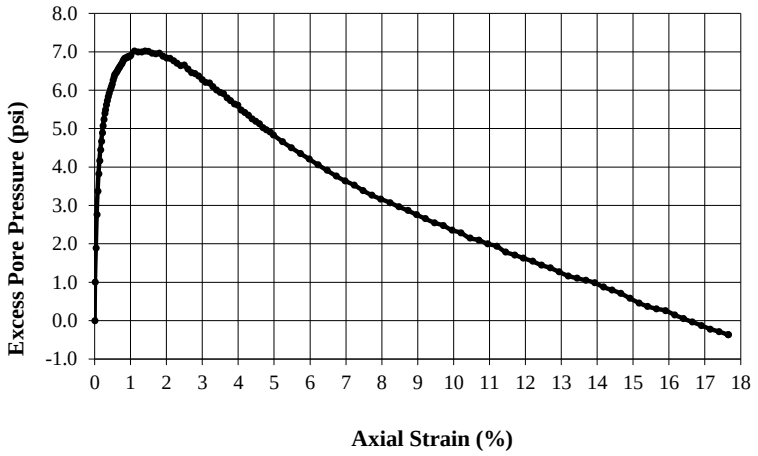
End of Consolidation Data

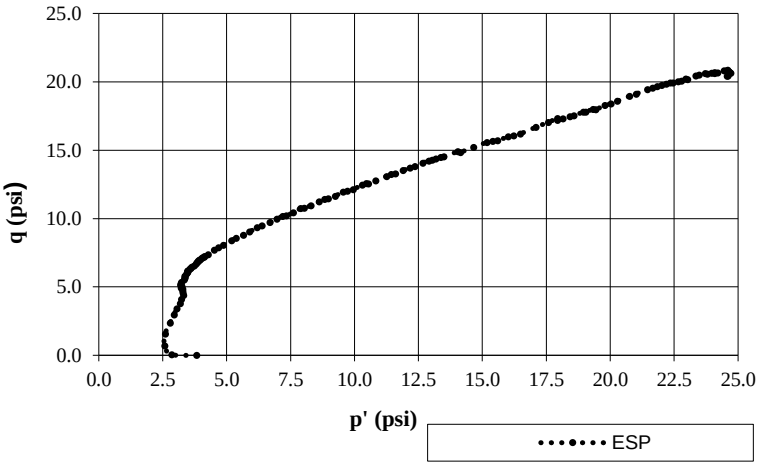
A_c Evaluated using Method	B
Sample Saturated using Method	B
Moisture Content (%):	12.6%
Dry Unit Weight (pcf):	125.9
Height (in):	5.758
Void Ratio (-):	0.370
Saturation (%):	94.2
Cross Sectional Area (in^2):	6.300
Pore Pressure Parameter B (-):	0.99
Final Back Pressure (psi):	50.0
Consolidation Pressure (psi):	13.8

Shear Data

Shear Strain Rate (%/hr):	0.75
Max. Deviator Stress(*) (psi):	41.22
Strain at Failure (%):	14.7
Minor Eff. Pr. Stress(*) (psi):	3.10
Major Eff. Pr. Stress(*) (psi):	44.3
Undrained Strength Ratio (-):	1.49







Notes:

(*) Failure criterion: max. deviator stress or max deviator stress at strain = 15%, whichever is obtained first.

Remarks:

CDM Smith
Geotechnical Engineering Laboratory

Standard Test Method for Laboratory Miniature Vane Shear Test for Saturated Fine-Grained Clayey Soil (ASTM D4648)

Client:	EPA Region 5	Tested By:	MBP
Project Name:	3051-5F0033 McLouth Steel Corp	Test Date:	7/22/2025
Project Location:	Detroit, MI		
Project Number:	107178-281860		
Sample Number:	MW-62		
Sample Location:	U-1		
Sample Depth (ft):	23-25		
Sample Date:	6/9/2025		

Moisture Content: 11.2%
Rotation Rate: 10° per minute
Vane Test Depth (ft): 24-24.3'

Initial Shear Strength

Vane Dimensions: ½" x ½"
Spring #: 4

Maximum Degrees of Deflection: 132

Shear Strength (psf): 2779.5

Remolded Shear Strength

Vane Dimensions: ½" x ½"
Spring #: 4

Vane Revolutions for Remold 6

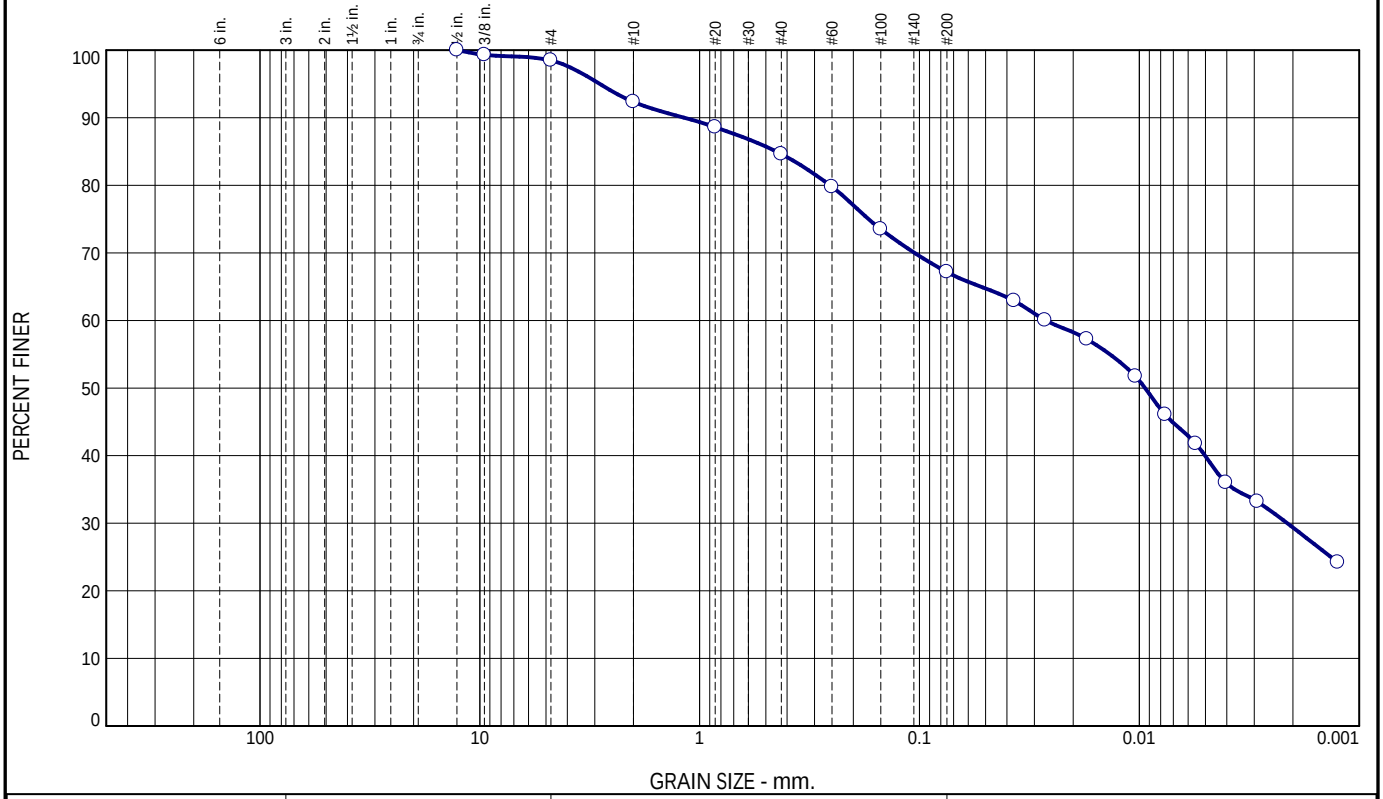
Maximum Degrees of Deflection: 5

Shear Strength (psf): 105.3

Lab Vane Apparatus: Wykehem Farrance, Model #23541

Particle Size Distribution Report

ASTM D6913 & D1140, D7928



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.5	6.2	7.7	17.4	37.8	29.4

Test Results (ASTM D6913 & D1140, D7928)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
.5	100.0			
.375	99.3			
#4	98.5			
#10	92.3			
#20	88.6			96.0
#40	84.6			91.6
#60	79.8			86.4
#100	73.5			79.6
#200	67.2			72.7
0.0371 mm.	62.9			
0.0268 mm.	60.0			
0.0173 mm.	57.2			
0.0104 mm.	51.7			
0.0076 mm.	46.0			
0.0055 mm.	41.8			
0.0040 mm.	36.0			
0.0029 mm.	33.2			
0.0012 mm.	24.2			

* (no specification provided)

Material Description

Light brown sandy silty clay

Atterberg Limits

PL= 16 LL= 23 PI= 7

Coefficients

D_{90}= 1.1747 D_{85}= 0.4475 D_{60}= 0.0266
D_{50}= 0.0094 D_{30}= 0.0021 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CL-ML AASHTO= A-4(2)

Test Remarks

As received moisture content= 11.7%

Source of Sample: SB-68 Depth: 23-25'
Sample Number: U-2 Sample Date:

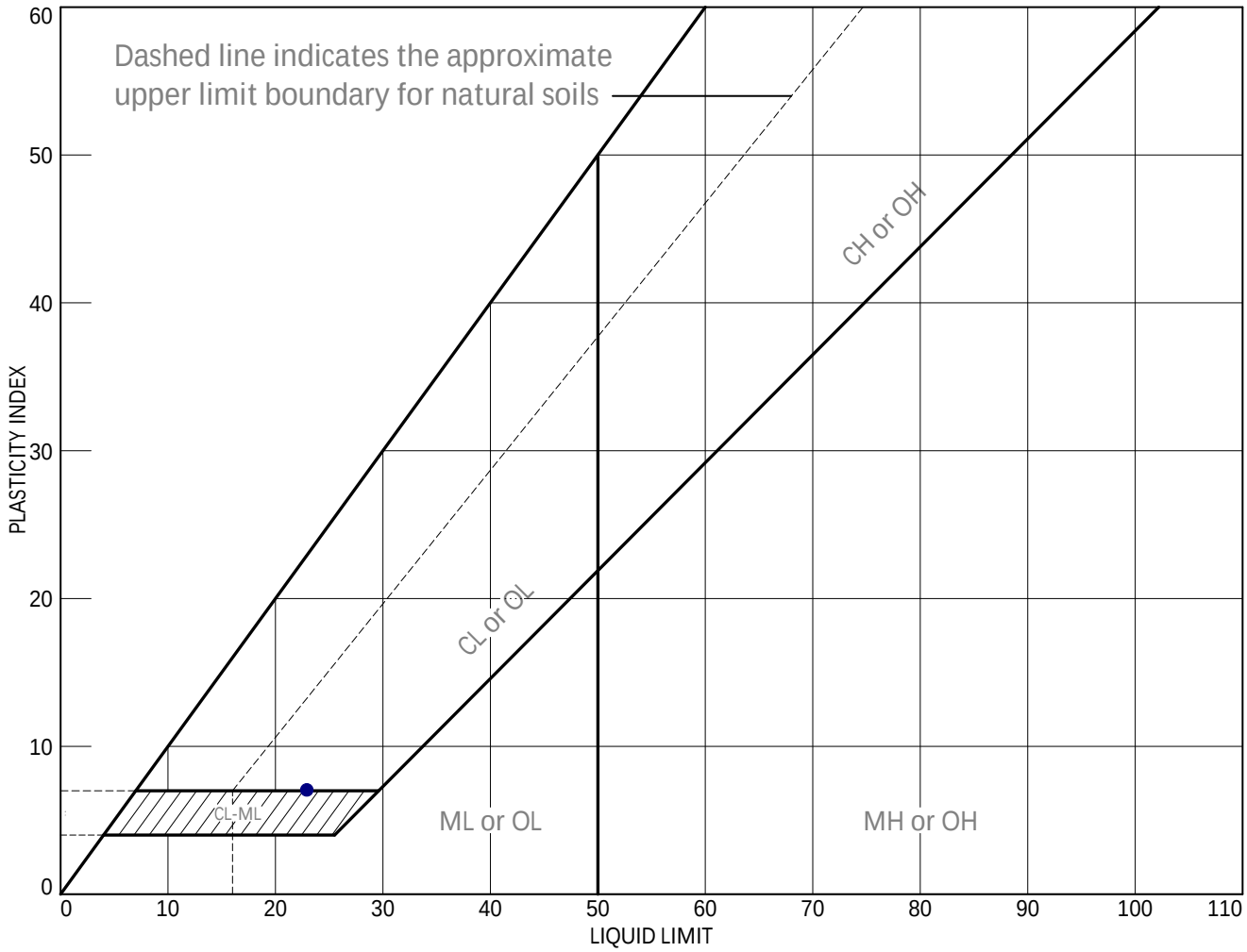
CDM Smith

Boston, Massachusetts

Client: USEPA Region 5
Project: 3051-5F0033 McLouth Steel Corp
Detroit, MI
Project No: 107178-281860

Tested By: KMS / SEB Checked By: MBP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	SB-68	U-2	23-25'	11.7	16	23	7	CL-ML

CDM Smith

Boston, Massachusetts

Client: USEPA Region 5

Project: 3051-5F0033 McLouth Steel Corp
Detroit, MI

Project No.: 107178-281860

Tested By: KMS

Checked By: MBP

CDM Smith

Geotechnical Engineering Laboratory

Standard Test Method for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils (ASTM D2974)

Client:	USEPA Region 5		
Project Name:	3051-5F0033 McLouth Steel Corp	Tested By:	MP
Project Location:	Detroit, MI	Test Date:	7/23/25
Project Number:	107178-381860		
Sample Location:	SB-68	Procedure:	C
Sample Number:	U-2	Temperature:	440° C
Sample Depth (ft):	23-25		
Sample Date:			

AS RECEIVED MOISTURE CONTENT	
Tin Mass (g)	85.05
Wet Mass of Sample & Tin (g)	226.02
Dry Mass of Sample & Tin (g)	207.18
Mass of Water (g)	18.8
Mass of Dry Soil (g)	122.1
Moisture Content (%)	**15.4**

ASH CONTENT	
Porcelain Dish Mass (g)	85.05
Porcelain Dish + Oven Dried Soil (g)	207.2
Mass of Oven Dried Soil (g)	122.1
Mass of Dish & Burned Soil (g)	206.1
Mass of Burned Soil (g)	121.1
Mass of Organic Material (g)	1.0
Ash Content (%)	99.1
Organic Content (%)	**0.9**

CDM Smith

Geotechnical Engineering Laboratory

Specific Gravity and Soil Porosity Determinations
ASTM D854 and ASTM D7263

Client:	USEPA Region 5
Project Name:	3051-5F0033 McLouth Steel Corp
Project Location:	Detroit, MI
Project Number:	119011-250547
Sample ID:	SB-68
Sample Number:	U-2
Sample Depth (ft):	23-25
Sample Date:	

Tested By: MP/SB
Test Date: 7/24/2025

As received Moisture Content	
Container Mass (g)	81.80
Wet Mass of Sample & Cont. (g)	359.19
Dry Mass of Sample & Cont. (g)	321.82
Mass of Water (g)	37.37
Mass of Dry Soil (g)	240.02
Moisture Content (%)	**15.6%**

Volume information

Height of Cylinder (in)	5.776	14.671	(cm)	0.02103	Vol. (cf)
Diameter of Cylinder (in)	2.830	7.188	(cm)	595.38	Vol. (cc)
Wet Wt plus tube (g)	1305.60			406.82	Vs (cc)
Wt tube (g)	0.00				
Wt wet Soil (g)	1305.60	2.879	=Lbs	Wet unit Wt. **136.9**	lbs/cf
Calculated Dry Wt (g)	1129.71	2.491	=Lbs	Dry unit Wt. **118.5**	lbs/cf
Mass/vol water sample (g/cc)	175.89				

Specific Gravity

Mass Wet Soil	53.68
Temp	21.0
Mass bottle+water+soil	690.87
Mass bottle+water	660.57
Mass soil	47.35
Sp. Gr. water at temp	0.99979
Sp. Gr. of SOIL	**2.777**

Specific Gravity Water Content

Container mass	23.81
Wet Sample & Cont.	56.78
Dry Sample & Cont.	52.89
Mass of Water	3.89
Dry Sample mass	29.08
Water Cont. %	13.38%

Porosity

Void Ratio	(V-Vs)/Vs	**0.463**
Porosity	**((V-Vs)/V)*100**	**31.67**
Degree of Saturation (%)	(Vw/(V-Vs))*100	**93.28**

CDM Smith

Geotechnical Engineering Laboratory

Hydraulic Conductivity Using Flexible Wall Permeameter (ASTM D5084)

Client:	USEPA Region 5	Tested by:	KMS/MBP
Project Name:	3051-5F0033 McLouth Steel Corp	Checked by:	MBP
Project Location:	Detroit, MI	Start Test Date:	7/24/2024
Project Number:	107178-281860	Permeant Fluid:	De-aired water
Sample Number:	SB-68	Sample Preparation	
Sample Location:	U-2	Procedures:	Trim from tube
Depth (ft):	23-25		
Sample Description:	Light brown sandy silty clay		
Test Type:	ASTM D5084		

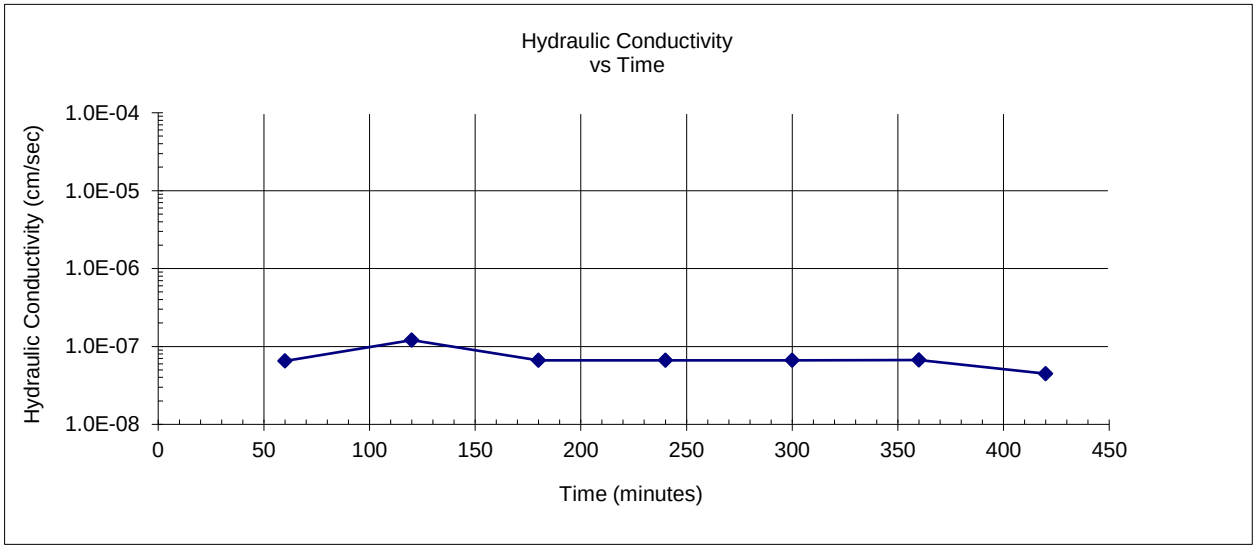
Sample Characteristics	Initial	Final
Avg. length of specimen (in)	2.13	2.13
Avg. dia. of specimen (in)	2.83	2.83
Area (sq in)	6.29	6.29
Volume (cubic in)	13.43	13.43
Moist mass (g)	493.4	495.5
Moist unit weight (pcf)	139.9	140.5
Moisture content (%)	11.7	15.9
Dry density (pcf)	125.3	121.3
Specific gravity (assumed)	2.78	2.78
Void ratio	0.38	0.43

Test Specifications	
B-Value (%):	95
Consolidation stress (psi):	0.5
Gradient (in/in):	30.5
Cell pressure (psi):	60.3
Head pressure (psi):	52.0
Tail pressure (psi):	50.0
Max effective stress (psi):	10.3
Min effective stress (psi):	8.3

Comments: _____

Hydraulic Conductivity at 20 ^{o}C = **7.09E-08** cm/sec

Average of last 7 readings



Geotechnical Engineering Laboratory

ISOTROPICALLY CONSOLIDATED UNDRAINED TRIAXIAL TEST SUMMARY - ASTM D4767

Client:	USEPA Region 5	**Test Date:**	7/22/2025	**LL :**	23
Project:	3051-5F0033 McLouth Steel Corp	**Exploration No:**	SB-68	**PL :**	16
Location:	Detroit, MI	**Sample No:**	U-2	**PI :**	7
Project No:	07178-281860	**Depth (ft):**	24.3-24.8	**USCS:**	CL

Initial

Moisture Content (%):	15.6%
Dry Unit Weight (pcf):	118.4
Diameter (in):	2.830
Height (in):	5.776
Void Ratio (-):	0.46
Saturation (%):	94.1
Moisture Content (Trim.%):	15.6%
Cross Sectional Area (in^2):	6.290

Final

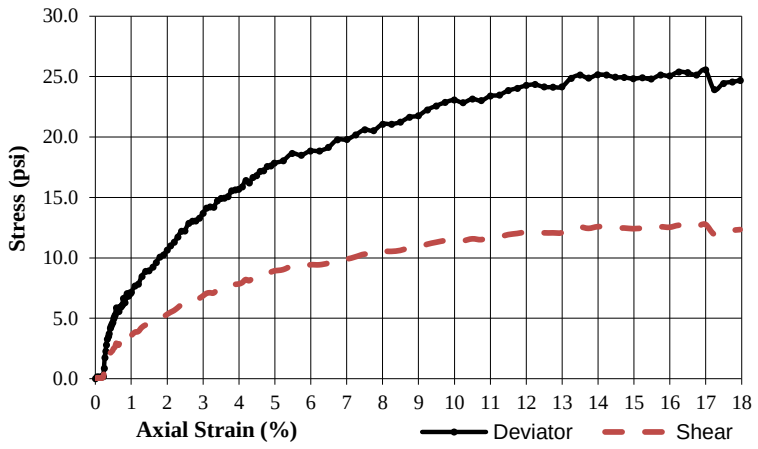
Moisture Content (%):	16.7%
Dry Unit Weight (pcf):	119.4
Height (in):	4.739
Void Ratio (-):	0.448
Saturation (%):	103.6
Cross Sectional Area (in^2):	8.252

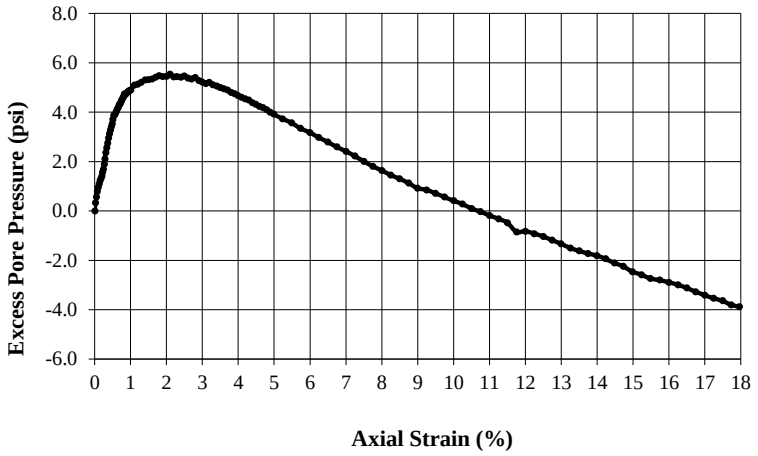
End of Consolidation Data

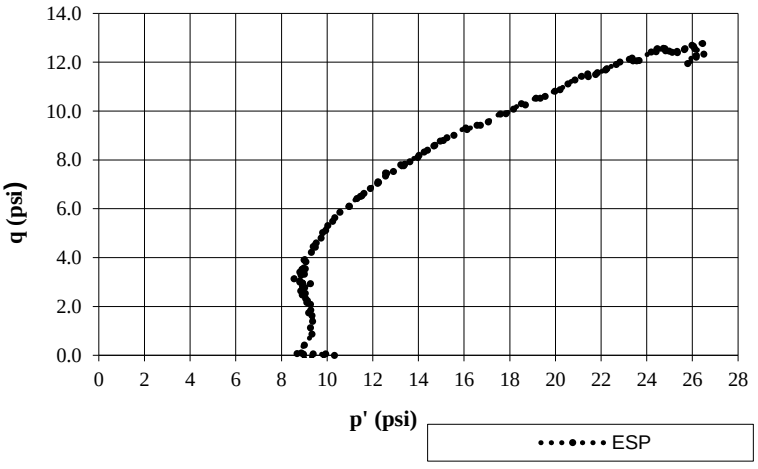
A_c Evaluated using Method	B
Sample Saturated using Method	B
Moisture Content (%):	16.7%
Dry Unit Weight (pcf):	119.4
Height (in):	5.776
Void Ratio (-):	0.448
Saturation (%):	103.6
Cross Sectional Area (in^2):	6.190
Pore Pressure Parameter B (-):	0.99
Final Back Pressure (psi):	50.0
Consolidation Pressure (psi):	10.3

Shear Data

Shear Strain Rate (%/hr):	0.75
Max. Deviator Stress(*) (psi):	25.16
Strain at Failure (%):	14.0
Minor Eff. Pr. Stress(*) (psi):	12.14
Major Eff. Pr. Stress(*) (psi):	37.3
Undrained Strength Ratio (-):	1.22







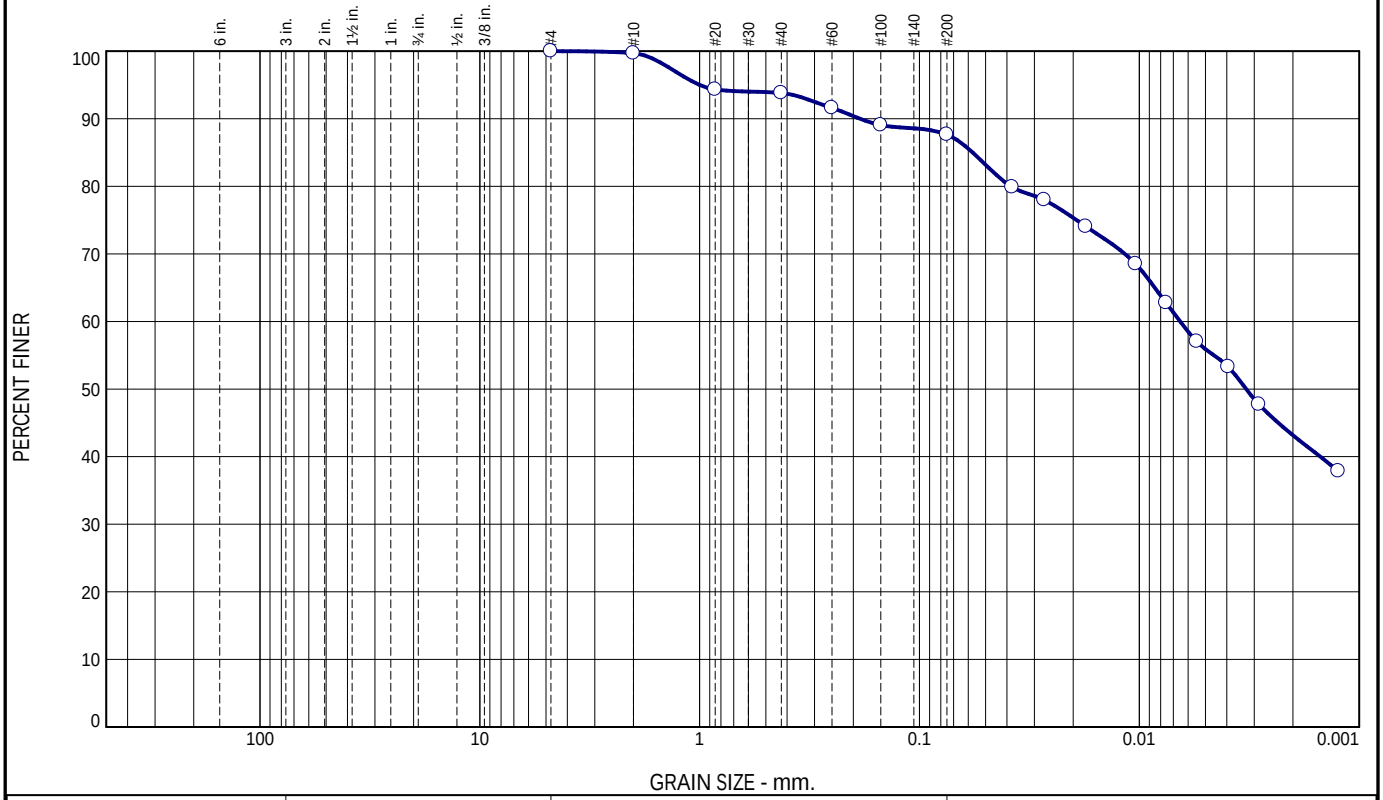
Notes:

(*) Failure criterion: max. deviator stress or max deviator stress at strain = 15%, whichever is obtained first.

Remarks:

Particle Size Distribution Report

ASTM D6913 & D1140, D7928



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.3	5.9	6.1	44.5	43.2

Test Results (ASTM D6913 & D1140, D7928)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)	Pct. of Fines
#4	100.0			
#10	99.7			
#20	94.3			
#40	93.8			
#60	91.6			
#100	89.1			
#200	87.7			
0.0379 mm.	79.9			
0.0271 mm.	78.0			
0.0175 mm.	74.0			
0.0104 mm.	68.5			
0.0076 mm.	62.7			
0.0055 mm.	57.0			
0.0039 mm.	53.3			
0.0029 mm.	47.7			
0.0012 mm.	37.8			

* (no specification provided)

Material Description

Gray fat clay

Atterberg Limits

PL= 20 LL= 52 PI= 32

Coefficients

D_{90}= 0.1865 D_{85}= 0.0573 D_{60}= 0.0065
D_{50}= 0.0033 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CH AASHTO= A-7-6(30)

Test Remarks

As received moisture content= 24.8%

Source of Sample: SB-51 Depth: 21-22'
Sample Number: U-3 Sample Date: 5/30/25

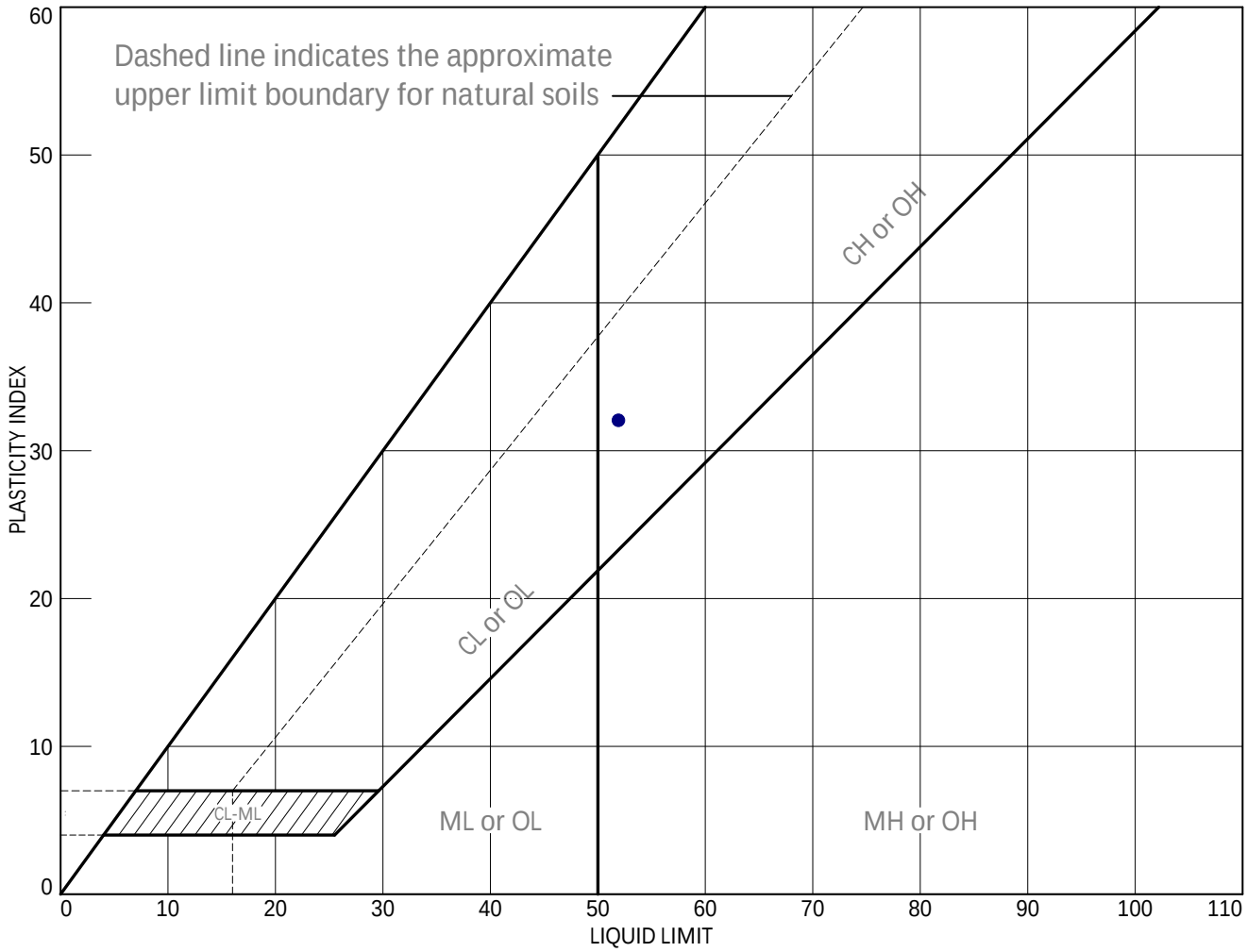
CDM Smith

Boston, Massachusetts

Client: USEPA Region 5
Project: 3051-5F0033 McLouth Steel Corp
Detroit, MI
Project No: 107178-281860

Tested By: KMS Checked By: MBP

LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	SB-51	U-3	21-22'	24.8	20	52	32	CH

CDM Smith

Boston, Massachusetts

Client: USEPA Region 5

Project: 3051-5F0033 McLouth Steel Corp
Detroit, MI

Project No.: 107178-281860

Tested By: KMS

Checked By: MBP

CDM Smith

Geotechnical Engineering Laboratory

Standard Test Method for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils (ASTM D2974)

Client:	USEPA Region 5		
Project Name:	3051-5F0033 McLouth Steel Corp	Tested By:	KS
Project Location:	Detroit, MI	Test Date:	7/24/25
Project Number:	107178-381860		
Sample Location:	SB-51	Procedure:	C
Sample Number:	U-3	Temperature:	440° C
Sample Depth (ft):	21-22		
Sample Date:	5/30/25		

AS RECEIVED MOISTURE CONTENT	
Tin Mass (g)	127.26
Wet Mass of Sample & Tin (g)	206.53
Dry Mass of Sample & Tin (g)	190.65
Mass of Water (g)	15.9
Mass of Dry Soil (g)	63.4
Moisture Content (%)	**25.1**

ASH CONTENT	
Porcelain Dish Mass (g)	127.26
Porcelain Dish + Oven Dried Soil (g)	190.7
Mass of Oven Dried Soil (g)	63.4
Mass of Dish & Burned Soil (g)	189.8
Mass of Burned Soil (g)	62.5
Mass of Organic Material (g)	0.9
Ash Content (%)	98.6
Organic Content (%)	**1.4**

CDM Smith

Geotechnical Engineering Laboratory

Specific Gravity and Soil Porosity Determinations
ASTM D854 and ASTM D7263

Client:	USEPA Region 5
Project Name:	3051-5F0033 McLouth Steel Corp
Project Location:	Detroit, MI
Project Number:	119011-250547
Sample ID:	SB-51
Sample Number:	U-3
Sample Depth (ft):	21-22
Sample Date:	5/30/2025

Tested By: MP/SB
Test Date: 7/24/2025

As received Moisture Content	
Container Mass (g)	77.46
Wet Mass of Sample & Cont. (g)	244.12
Dry Mass of Sample & Cont. (g)	209.22
Mass of Water (g)	34.90
Mass of Dry Soil (g)	131.76
Moisture Content (%)	**26.5%**

Volume information

Height of Cylinder (in)	2.484	6.309	(cm)	0.00893	Vol. (cf)
Diameter of Cylinder (in)	2.812	7.142	(cm)	252.80	Vol. (cc)
Wet Wt plus tube (g)	515.32			146.55	Vs (cc)
Wt tube (g)	0.00				
Wt wet Soil (g)	515.32	1.136	=Lbs	Wet unit Wt. **127.3**	lbs/cf
Calculated Dry Wt (g)	407.41	0.898	=Lbs	Dry unit Wt. **100.6**	lbs/cf
Mass/vol water sample (g/cc)	107.91				

Specific Gravity

Mass Wet Soil	60.27
Temp	21.0
Mass bottle+water+soil	733.76
Mass bottle+water	702.70
Mass soil	48.50
Sp. Gr. water at temp	0.99979
Sp. Gr. of SOIL	**2.780**

Specific Gravity Water Content

Container mass	23.87
Wet Sample & Cont.	52.71
Dry Sample & Cont.	47.08
Mass of Water	5.63
Dry Sample mass	23.21
Water Cont. %	24.26%

Porosity

Void Ratio	(V-Vs)/Vs	**0.725**
Porosity	**((V-Vs)/V)*100**	**42.03**
Degree of Saturation (%)	(Vw/(V-Vs))*100	**101.57**

CDM Smith

Geotechnical Engineering Laboratory

Hydraulic Conductivity Using Flexible Wall Permeameter (ASTM D5084)

Client:	USEPA Region 5	Tested by:	KMS/MBP
Project Name:	3051-5F0033 McLouth Steel Corp	Checked by:	MBP
Project Location:	Detroit, MI	Start Test Date:	7/24/2024
Project Number:	107178-281860	Permeant Fluid:	De-aired water
Sample Number:	SB-51	Sample Preparation	
Sample Location:	U-3	Procedures:	Trim from tube
Depth (ft):	21-22		
Sample Description:	Gray fat clay		
Test Type:	ASTM D5084		

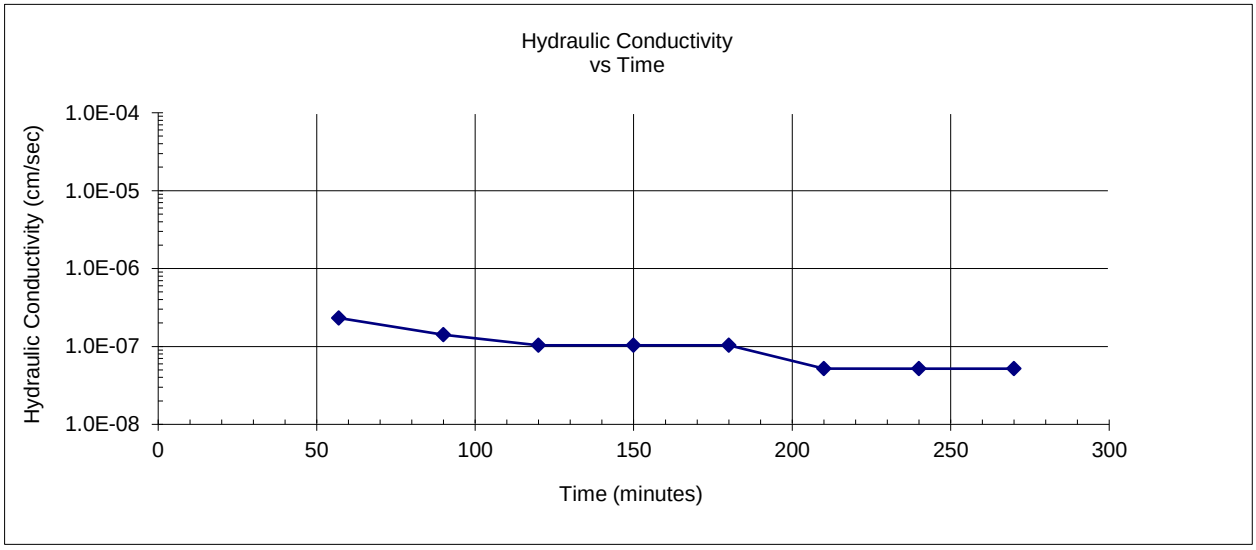
Sample Characteristics	Initial	Final
Avg. length of specimen (in)	2.48	2.48
Avg. dia. of specimen (in)	2.81	2.81
Area (sq in)	6.21	6.21
Volume (cubic in)	15.42	15.42
Moist mass (g)	515.3	516.7
Moist unit weight (pcf)	127.3	127.6
Moisture content (%)	26.5	26.1
Dry density (pcf)	100.7	101.2
Specific gravity (assumed)	2.78	2.78
Void ratio	0.72	0.72

Test Specifications	
B-Value (%):	96
Consolidation stress (psi):	0.5
Gradient (in/in):	26.2
Cell pressure (psi):	58.8
Head pressure (psi):	52.0
Tail pressure (psi):	50.0
Max effective stress (psi):	8.8
Min effective stress (psi):	6.8

Comments: _____

Hydraulic Conductivity at 20 ^{o}C = **1.05E-07** cm/sec

Average of last 10 readings



CDM Smith
Geotechnical Engineering Laboratory

Standard Test Method for Laboratory Miniature Vane Shear Test for Saturated Fine-Grained Clayey Soil (ASTM D4648)

Client:	EPA Region 5	Tested By:	MBP
Project Name:	3051-5F0033 McLouth Steel Corp	Test Date:	7/22/2025
Project Location:	Detroit, MI		
Project Number:	107178-281860		
Sample Number:	SB-51		
Sample Location:	U-3		
Sample Depth (ft):	21-22		
Sample Date:	5/30/2025		

Moisture Content: 15.6%
Rotation Rate: 10° per minute
Vane Test Depth (ft): 21.7'

Initial Shear Strength

Vane Dimensions: ½" x ½"
Spring #: 3

Maximum Degrees of Deflection: 175

Shear Strength (psf): 2538.0

Remolded Shear Strength

Vane Dimensions: ½" x ½"
Spring #: 3
Vane Revolutions for Remold 6

Maximum Degrees of Deflection: 10

Shear Strength (psf): 145.0

Lab Vane Apparatus: Wykehem Farrance, Model #23541

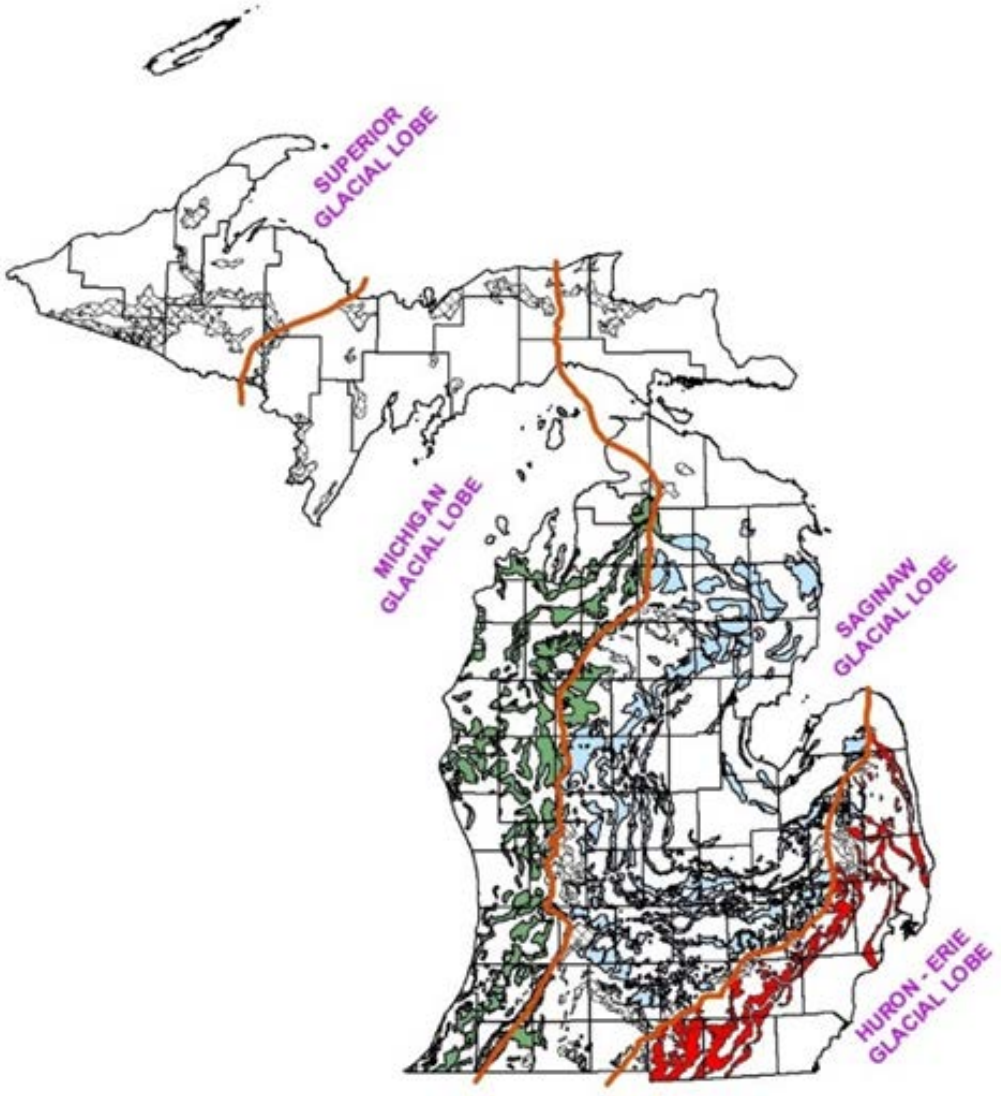
Attachment D

Michigan EGLE Background Soil Survey

REMEDIATION AND REDEVELOPMENT DIVISION

SOIL BACKGROUND and USE OF THE 2005 MICHIGAN BACKGROUND SOIL SURVEY

RESOURCE MATERIALS



Prepared by:

Michigan Department of Environment, Great Lakes, and Energy
Remediation and Redevelopment Division
525 West Allegan Street
Lansing, Michigan 48933
September 2019
Revised January 2023

EGLE
REMEDIATION AND REDEVELOPMENT DIVISION

In order to promote a consistent and informed approach for Michigan Department of Environment, Great Lakes, and Energy (EGLE) staff, this document was developed to provide information to EGLE staff and contractors on methodology and applications for the determination of background concentrations of metals in soil.

This document is available as a technical reference to assist any party interested in the determination of background concentrations of metals in the soil at a site to evaluate if response actions are warranted or if the metals can be attributed to naturally occurring sources.

This document is explanatory and does not contain any regulatory requirements. It does not establish or affect the legal rights or obligations for the determination of background concentrations of metals in the soil. It does not have the force or effect of law and is not legally binding on the public or the regulated community. Any regulatory decisions made by EGLE regarding background concentrations of metals in the soil will be made by applying the governing statutes and administrative rules to relevant facts.

Approved: Kathleen Shirey

Kathleen Shirey, Acting Division Director
Remediation and Redevelopment Division
October 4, 2019

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1.0 INTRODUCTION 2

2.0 USE OF THE 2005 MICHIGAN BACKGROUND SURVEY 2

APPENDIX A. Flow Chart

APPENDIX B. Glacial Lobe Map and Updated Tables 2, 3, and 4 for the 2005 Michigan Background Soil Survey

APPENDIX C. Michigan Background Soil Survey 2015 Update

APPENDIX D. Updated Tables 2,3, and 4 for the Michigan Background Soil Survey 2015 Update

APPENDIX E. Application of Soil Background For Fill Material

PURPOSE

The primary goal of Michigan's cleanup programs is to protect human health and the environment from current and potential threats posed by uncontrolled releases of hazardous substances (contamination). Contamination at a site[1] may originate from releases attributable to the site in question, as well as contamination that originated from other sources, including natural sources not attributable to the specific site releases under investigation. In some cases, the same hazardous substance associated with a release is also a background constituent.

If contaminants at a site are the result of a release and exceed generic cleanup criteria, remediation or due care obligations are typically required. If the contaminant is present due to natural conditions, cleanup or due care obligations are not required under Michigan's cleanup statutes, even if the concentrations exceed the risk-based generic cleanup criteria. Consequently, it may be important in the management of a site to determine whether or not the presence of a contaminant represents natural background conditions.

Background has been defined for the Michigan cleanup programs since 1990 as the concentration or level of a hazardous substance which exists in the environment at or regionally proximate to a site that is not attributable to any release at or regionally proximate to the site. The options available to demonstrate that a hazardous substance is not present at a level that exceeds soil background concentration are included with the statutory definition of background[2].

An evaluation of local background soil concentrations may be appropriate at a site whenever it is suspected that metal contaminants detected above applicable cleanup criteria may be equal to, or less than, natural background soil concentrations. Consistent with statutory and rule provisions, when the background concentration for a hazardous substance is greater than the calculated generic cleanup criteria, the criterion is the background concentration[3].

The purpose of this document is to describe the applicability of the 2005 Michigan Background Soil Survey (MBSS) in the demonstration of naturally occurring background metals concentrations for a property. In addition, the 2015 update to the MBSS is included as an appendix to this document and may be used consistent with the provisions for the 2005 MBSS.

Some contaminants, both manmade and natural, are ubiquitous in the environment due to human activities. Examples include polycyclic aromatic hydrocarbons (PAHs), lead, and dioxins. Low levels that exist in the environment due to human activities not associated with any specific release are termed anthropogenic background. Michigan statutes and rules do not recognize comparisons with anthropogenic background concentrations as a basis for determining a cleanup criterion in place of a generic criterion. However, when delineating the boundaries of contamination attributable to a release, anthropogenic background concentrations may be useful. They may be used to help establish the area where liability for cleanup may exist by defining where the chemical concentrations from the release become indistinguishable from concentrations present from other, non-specific sources. Developing background concentrations is also useful in this context (i.e., establishing the nature and extent of the release), despite the somewhat different objective from concentration comparisons with natural background. Developing anthropogenic background concentrations, if useful in this context should be discussed with project managers to ensure its acceptability for site delineation.

---

[1] For the purpose of this document, the term "site" is being used as a general reference to a property with environmental contamination and is not intended to be applied as it is statutorily defined in the Natural Resources and Environmental Protection Act (NREPA), PA 451 of 1994, as amended.

[2] Sec. 20101(1)(e)

[3] Sec. 20120a(10); Part 201 Administrative Rules, Cleanup Criteria Requirements for Response Activity, Michigan Administrative Code, 2013 AACS R 299.1 – R 299.50

1.0 INTRODUCTION

In Michigan, metals are commonly detected in soil at sites of contamination. However, the detection of metals in the soil does not necessarily indicate that the metals were released from man-made sources. The presence of metals in Michigan's soil may be naturally occurring as a result of Michigan's unique geology and glacial history.

The 2005 *Michigan Background Soil Survey (2005 MBSS)* is one resource to determine background concentrations for naturally occurring metals. Part 201, Environmental Remediation, of Natural Resources and Environmental Protection Act, 1994 PA 451, was amended in 2015 to include methods to establish background concentrations using the 2005 MBSS. The data provided in the 2005 MBSS is a compilation of soil sampling data from regulated facilities and samples collected and analyzed by the state incorporated into a soil background database. Additional data from the United States Geological Survey (USGS) and the United States Army Corps of Engineers (USACE) is also included in the 2005 MBSS. In 2014, additional soil sampling data from locations that represent background conditions were collected from files of the EGLE Remediation and Redevelopment Division (RRD), and the 2005 MBSS was updated in 2015 by the department. The use of the methods for the 2005 MBSS[4] are appropriate for the 2015 update of the MBSS.

Michigan's unique geology and glacial history has resulted in the deposition of many naturally occurring metals in soils. The ice moving across Michigan followed four individual flow paths, called glacial lobes. Because these glacial lobes have varying points of origin and traverse different types of bedrock, the resulting glacial sediments have varying chemical characteristics based on source rock influences.

The soil metals concentrations presented in the 2005 MBSS were compiled from limited locations across the state and a number of geographic areas did not have background soil information. Due to the variability in the concerns at each of the locations where the soil background samples were collected, different suites of metals were analyzed, and a uniform set of analytical data for each hazardous substance listed is not available.

2.0 USE OF THE 2005 MICHIGAN BACKGROUND SOIL SURVEY

The *2005 MBSS* includes the 25 metals listed below for which there are published typical background ranges.

Aluminum	Cadmium	Lead	Molybdenum	Strontium
Antimony	Chromium	Lithium	Nickel	Thallium
Arsenic	Cobalt	Magnesium	Selenium	Titanium
Barium	Copper	Manganese	Silver	Vanadium
Beryllium	Iron	Mercury	Sodium	Zinc

Statistical analyses of the sample data for each of the compounds listed, where available, was completed with subcategories for topsoil, sand, and clay and defined by Michigan's four glacial lobe areas.

A description of the methods to establish a metal background concentration utilizing the 2005 MBSS is located within the background definition[5]. In Appendix A of this document is a flowchart that outlines the methods for utilizing the 2005 MBSS, or the 2015 update, pursuant to this provision. The *2005*

[4] Sec. 20101(1)(e)(ii)
[5] Sec. 20101(1)(e)(ii)

MBSS, or the 2015 update, may be used to determine background concentrations where there is sufficient information that meets all of the following conditions:

- **Same Glacial Lobe** – Source rock composition is critical in determining the makeup of the glacial drift from which it has originated. The 2005 MBSS identifies four different glacial lobes, Huron-Erie, Saginaw, Michigan, and Superior, with source rock variations that influence the concentrations of metals present in the deposited drift materials. The survey identifies the variations in metals concentrations based upon glacial lobes and depicts the geographic areas affected by each lobe. Background soil evaluation data comparisons should be consistent with the glacial lobe for the geographic area for which the demonstration is being made.

- **Similar Soil Type –** Soil type influences the concentrations of metals present. For simplicity's sake, the 2005 MBSS categorizes soils into three broad types: sand, clay, and topsoil. Sandy soils typically have lower metals concentrations, while clays tend to have higher naturally occurring concentrations of metals. Topsoil can vary depending on the composition of the soil horizons below this layer. When performing a background demonstration, the values published for similar soils should be used.

- **Specific Metal Data Available** – Due to the nature of the data compiled for the 2005 MBSS, the database lacks populations of data for specific metals; there are some areas where no metals samples were collected. For example, antimony was not analyzed in any of the topsoil samples collected across the state. For this case, the use of the 2005 MBSS is not appropriate for demonstrating background concentrations for antimony in topsoil.

Tables 2, 3, and 4 of the 2005 MBSS include the standard deviation of the substances that have an arithmetic or geometric mean in the glacial lobes that have at least nine samples. However, the 2005 MBSS does not contain the two standard deviations of the arithmetic or geometric mean, nor does it include the 97.5 quantile for the hazardous substances with nonparametric medians, both of which are specifically identified in the background definition. Included in Appendix B of this document are updated Tables 2, 3, and 4 with the two standard deviations and the 97.5 quantiles calculated using the data from the 2005 MBSS for each soil type and glacial lobe. Appendix D of this document includes modified Tables 2, 3, and 4 for the MBSS 2015 Update that includes the two standard deviations, 97.5 quantiles and highlighted numbers showing the appropriate number to use for a background concentration.

The 2005 MBSS contains combined statewide data columns on Tables 2, 3, and 4 that are not appropriate for use in demonstrating background concentrations. This is due to significant data gaps across the state, which has widely varied geology, where entire blocks of counties or most of the Upper Peninsula have no information.

Another method to establish background concentrations allows for the use of the 2005 MBSS in a manner that is approved by the department[6]. The sole use of the uppermost value in the typical range of data in Table 1 is not approved unless it is the lesser of the values indicated in 20101(1)(e)(ii)(A) or (B). Contact the EGLE project manager to discuss any other proposed methods to utilize the 2005 MBSS.

Soil analytical data from the area for which the background demonstration is being performed is needed to complete the comparison and show consistency with the conditions described in the *2005 MBSS*.

When a background concentration has been established utilizing the MBSS, site concentrations will generally be compared to the established background concentrations on a point-by-point basis.

[6] Sec.20101(1)(e)(ii)(C)

Statistical analysis of the site metals data may be conducted and used for comparison to the established background concentration; however, the method for the site data statistical analysis must be proposed on a case-by-case basis if EGLE approval of a response action is being sought.

Certain sites may contain more than one metal in the soil. Multiple methods included in the background definition to establish background concentrations may be used for different metals for the same site.

The MBSS may be an appropriate and useful resource for comparing geographic, geological, and analytical information to demonstrate background concentrations in an area that is unaffected by a release of hazardous substances.

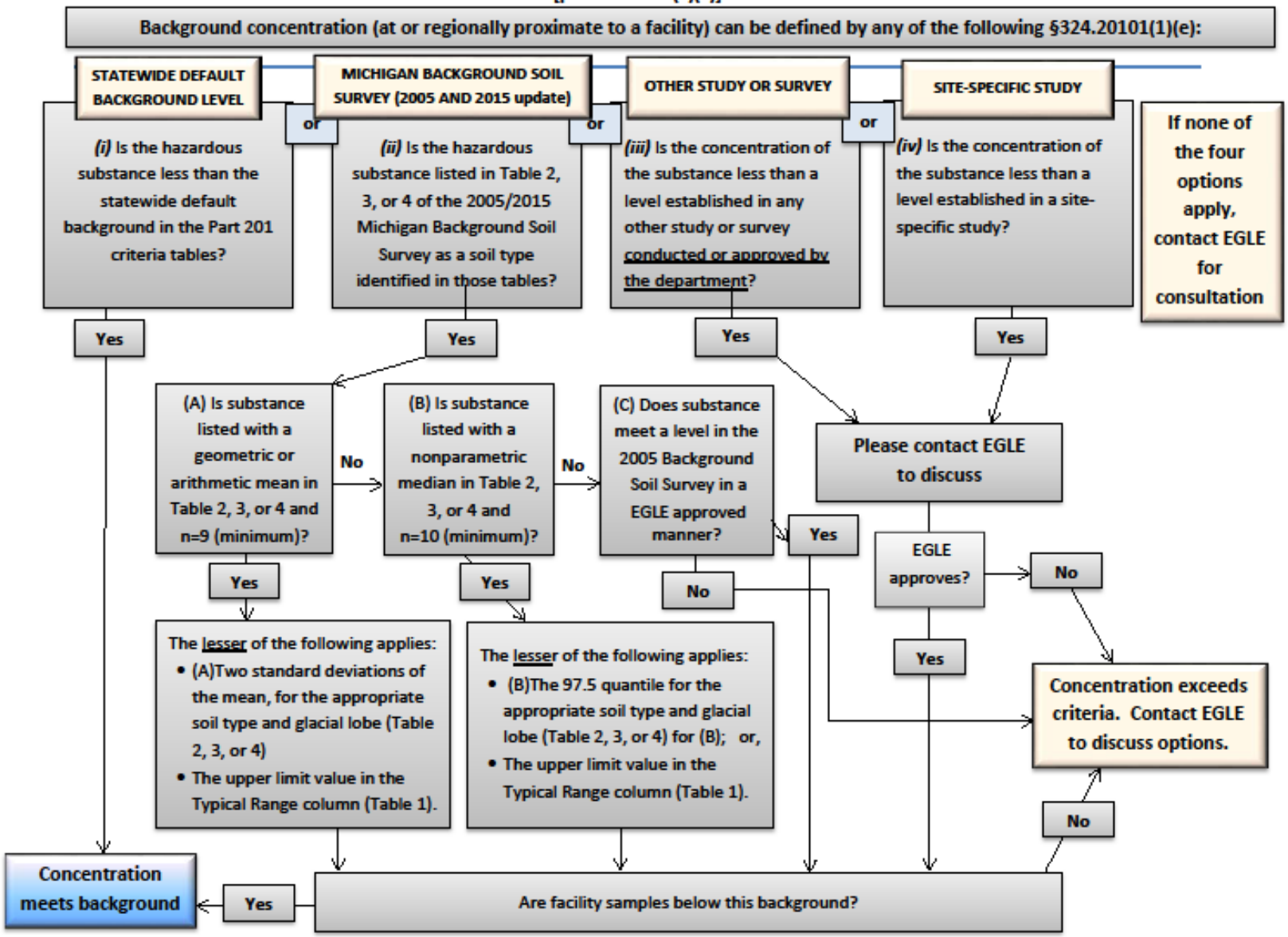
NOTE: If a site is also subject to corrective action under Michigan's Hazardous Waste Management Program (Part 111), please be aware that methods for demonstrating compliance with background concentration as defined under Section 324.20101(1)(e) cannot be automatically applied. Such sites may use site-specific background determinations (as approved by the Hazardous Waste Program) or the statewide default background levels listed in the September 28, 2012 Part 201 generic soil cleanup criteria and screening levels (Tables 2 and 3). This distinction is necessary until the U.S. Environmental Protection Agency approves Michigan to use the January 15, 2015 Part 201 definition for background concentration in its Hazardous Waste Management Program.

Appendix A

FLOW CHART

Background Concentration Flowchart

[per 324.20101(1)(e)]



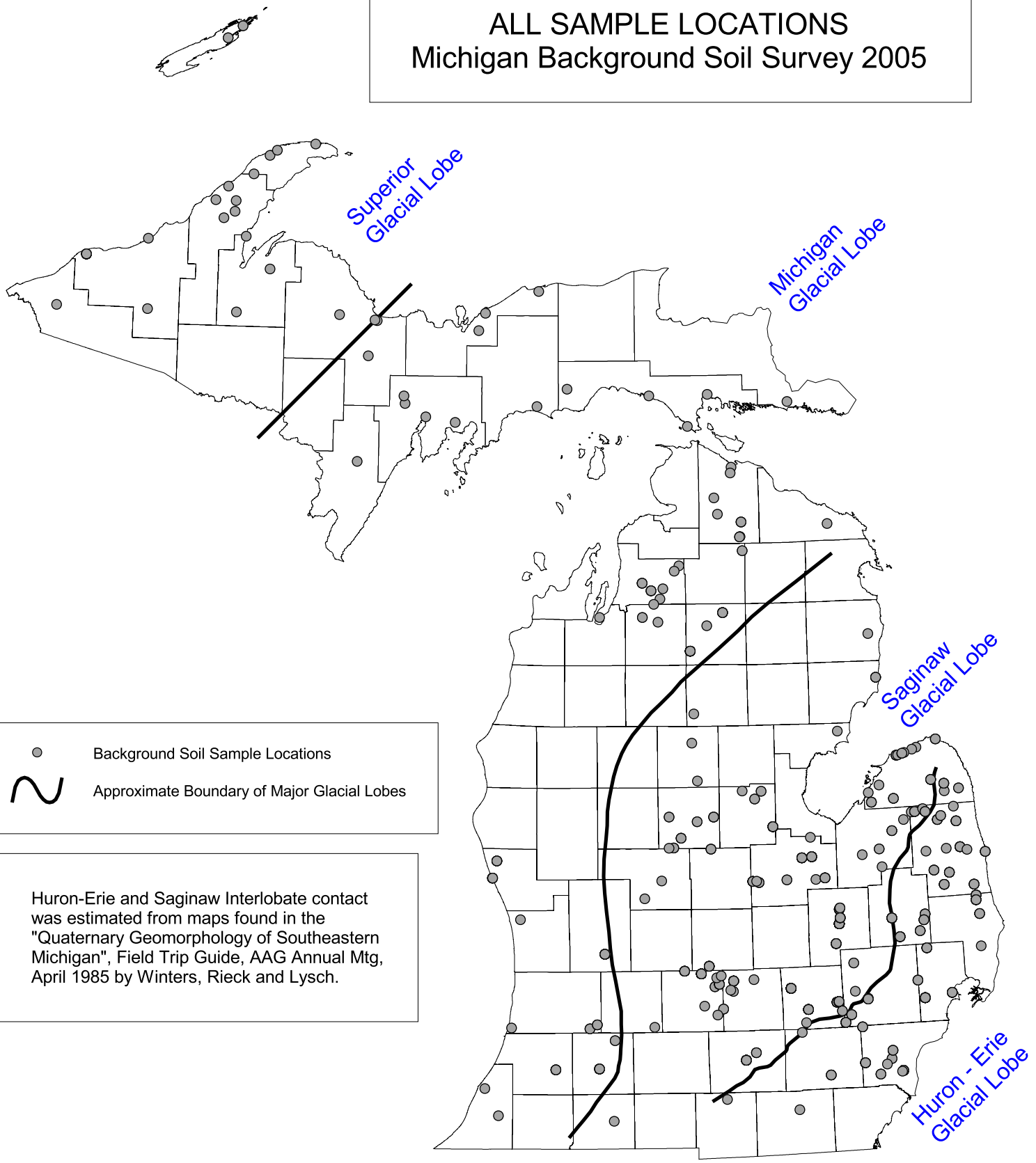
Appendix B

GLACIAL LOBE MAP

UPDATED TABLES 2, 3, AND 4

2005 Michigan Background Soil Survey

ALL SAMPLE LOCATIONS
Michigan Background Soil Survey 2005



Huron-Erie and Saginaw Interlobate contact was estimated from maps found in the "Quaternary Geomorphology of Southeastern Michigan", Field Trip Guide, AAG Annual Mtg, April 1985 by Winters, Rieck and Lysch.

Table 2 - TOPSOIL

METAL	Dist.	Part 201 Statewide Default Background	Table 1 Upper Range Value	HURON - ERIE LOBE			SAGINAW LOBE			MICHIGAN LOBE			SUPERIOR LOBE		
				n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles
Al	L	6,900	16,324	10	9,690	#	37	12,531	#	34	3,234	#	16	17,664	#
Sb	non	NA	2.5	0	--	--	0	--	--	0	--	--	0	--	--
As	L	5.8	27.7	47	15.2	#	93	13.2	#	39	4.67	#	18	3.80	#
Ba	L	75	220	15	248	#	42	78.3	#	39	68.1	#	16	163	#
Be	non	NA	1.8	2	--	--	12	#	0.37	0	--	--	0	--	--
Cd	non	1.2	2.5	15	#	2.0	42	#	*100% ND*	38	#	*100% ND*	18	#	*100% ND*
Cr	L	18	55	15	37.3	#	45	32.7	#	39	10.2	#	18	36.4	#
Co	non	6.8	12	10	#	7.0	29	#	6.2	32	#	*100% ND*	16	#	11.7
Cu	L	32	58	15	56.6	#	42	27.5	#	39	13.3	#	18	172	#
Fe	L	12,000	34,233	10	21,218	#	42	31,334	#	38	8,645	#	18	24,099	#
Pb	L	21	45	38	42.5	#	60	34.9	#	39	24.8	#	18	73.4	#
Li	L	9.8	41	10	10.7	#	34	14.7	#	32	#	3.9	18	10.8	#
Mg	L	NA	29875	2	--	--	8	--	--	0	--	--	0	--	--
Mn	L	440	1391	10	2,145	#	42	1,114	#	38	1,083	#	18	965	#
Hg	non	0.13	0.6	15	#	0.17	42	#	0.24	38	#	0.10	18	#	0.12
Mo	--	NA	*100% ND*	2	--	--	12	#	*100% ND*	0	--	--	0	--	--
Ni	L	20	39	11	19.5	#	42	16.6	#	38	--	--	18	70.4	#
Se	non	0.41	1.2	22	#	4.9	42	#	0.50	38	--	--	18	#	0.65
Ag	non	1	2	6	--	--	5	--	--	0	--	--	0	--	--
Na	N	NA	194.5	2	--	--	5	--	--	0	--	--	0	--	--
Sr	non	NA	150	0	--	--	7	--	--	0	--	--	0	--	--
Tl	non	NA	3.8	2	--	--	5	--	--	0	--	--	0	--	--
Ti	N	MNL	217	2	--	--	12	221	#	0	--	--	0	--	--
V	L	NA	89	2	--	--	12	30.5	#	0	--	--	0	--	--
Zn	N	47	75	23	79.0	#	45	61.3	#	39	27.4	#	18	100	#

All data are in mg/kg (ppm)

L	Lognormal distribution
N	Normal distribution
non	Nonparametric distribution
ND	Non-detect

Dist.	Distribution of Data
n	Number of Samples
NA	Not Applicable (no value listed in Part 201)
MNL	Metal Not Listed in Part 201
--	No value calculated (too few samples/detections)
	Less than Table 1 Upper Value
#	Not appropriate calculation method
98 - 100% ND	Non-detect percentage too high to estimate a value - use Table 1

2005 MBSS

Table 3 - SAND

METAL	Dist.	Part 201 Statewide Default Background	Table 1 Upper Range Value	HURON - ERIE LOBE			SAGINAW LOBE			MICHIGAN LOBE			SUPERIOR LOBE		
				n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles
Al	L	6,900	16,324.0	2	--	--	54	8,677	#	34	8,449	#	3	--	--
Sb	non	NA	2.5	1	--	--	3	--	--	3	--	--	0	--	--
As	L	5.8	27.7	34	19.6	#	118	26.1	#	53	8.41	#	3	--	--
Ba	L	75	220.0	22	612	#	71	48.9	#	51	67.9	#	3	--	--
Be	non	NA	1.8	3	--	--	51	#	*98% ND*	6	--	--	0	--	--
Cd	non	1.2	2.5	22	#	2.0	67	#	1.6	39	#	2.0	3	--	--
Cr	L	18	55.0	22	20.3	#	90	20.0	#	67	18.4	#	3	--	--
Co	non	6.8	12.0	2	--	--	61	#	6.6	16	#	7.3	3	--	--
Cu	L	32	58.0	22	29.7	#	90	19.0	#	67	22.7	#	3	--	--
Fe	L	12,000	34,233.0	2	--	--	55	16,819	#	17	11,779	#	3	--	--
Pb	L	21	45.0	25	25.3	#	95	24.4	#	52	38.8	#	3	--	--
Li	L	9.8	41.0	2	--	--	62	11.0	#	11	23.3	#	3	--	--
Mg	L	NA	29,875.0	2	--	--	44	13,772	#	13	2,029.8	#	0	--	--
Mn	L	440	1,391.0	2	--	--	62	692	#	24	1,353	#	3	--	--
Hg	non	0.13	0.6	17	#	0.40	66	#	0.10	22	#	0.1	3	--	--
Mo	--	NA	*100% ND*	2	--	--	51	#	*100% ND*	6	--	--	0	--	--
Ni	L	20	39.0	8	--	--	78	22.2	#	40	18.3	#	3	--	--
Se	non	0.41	1.2	18	#	0.50	62	#	0.33	20	#	1.3	3	--	--
Ag	non	1	2.0	8	--	--	48	#	*100% ND*	13	#	0.7	0	--	--
Na	N	NA	194.5	2	--	--	44	166	#	12	168	#	0	--	--
Sr	non	NA	150.0	0	--	--	7	--	--	6	--	--	0	--	--
Tl	non	NA	3.8	3	--	--	46	#	3.6	9	--	--	0	--	--
Ti	N	MNL	217.0	2	--	--	44	207	#	0	--	--	0	--	--
V	L	NA	89.0	2	--	--	51	62.0	#	19	45.1	#	0	--	--
Zn	N	47	75.0	22	65.8	#	80	48.0	#	64	51.4	#	3	--	--

All data are in mg/kg (ppm)

L	Lognormal distribution
N	Normal distribution
non	Nonparametric distribution
ND	Non-detect

Dist.	Distribution of Data
n	Number of Samples
NA	Not Applicable (no value listed in Part 201)
MNL	Metal Not Listed in Part 201
--	No value calculated (too few samples/detections)
	Less than Table 1 Upper Value
#	Not appropriate calculation method
98 - 100% ND	Non-detect percentage too high to estimate a value - use Table 1

2005 MBSS

REMEDIATION AND REDEVELOPMENT DIVISION

Table 4 - CLAY

METAL	Dist.	Part 201 Statewide Default Background	Table 1 Upper Range Value	HURON - ERIE LOBE			SAGINAW LOBE			MICHIGAN LOBE			SUPERIOR LOBE		
				n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles	n	Two Standard Deviations	97.5 Quantiles
Al	**L**	**6,900**	16,324.0	23	**12,631**	#	51	**13,795**	#	6	--	--	3	--	--
Sb	**non**	**NA**	2.5	8	--	--	0	--	--	12	#	*100% ND*	0	--	--
As	**L**	**5.8**	27.7	126	**36.6**	#	224	**17.9**	#	17	**6.95**	#	3	--	--
Ba	**L**	**75**	220.0	104	**277**	#	48	**110**	#	6	--	--	3	--	--
Be	**L**	**NA**	1.8	11	**1.9**	#	9	--	--	12	#	**0.5**	0	--	--
Cd	**N**	**1.2**	2.5	128	#	**3.4**	108	#	**2.5**	16	#	**2.0**	3	--	--
Cr	**L**	**18**	55.0	107	**62.8**	#	111	**37.1**	#	17	**23.0**	#	3	--	--
Co	**N**	**6.8**	12.0	29	**14.0**	#	22	**13.4**	#	6	--	--	3	--	--
Cu	**L**	**32**	58.0	103	**48.2**	#	103	**28.0**	#	17	**27.0**	#	3	--	--
Fe	**L**	**12,000**	34,233.0	26	**24,544**	#	24	**29,099**	#	6	--	--	3	--	--
Pb	**L**	**21**	45.0	126	**30.3**	#	125	**71.5**	#	17	**47.9**	#	3	--	--
Li	**L**	**9.8**	41.0	29	**40.9**	#	22	**40.6**	#	4	--	--	3	--	--
Mg	**N**	**NA**	29,875.0	0	--	--	8	--	--	2	--	--	0	--	--
Mn	**L**	**440**	1,391.0	29	**767**	#	52	**584**	#	6	--	--	3	--	--
Hg	**non**	**0.13**	0.6	97	#	**0.63**	54	#	*98% ND*	5	--	--	3	--	--
Mo	**--**	**NA**	*100% ND*	3	--	--	9	--	--	0	--	--	0	--	--
Ni	**N**	**20**	39.0	100	**45.0**	#	105	**36.7**	#	6	--	--	3	--	--
Se	**non**	**0.41**	1.2	94	#	**1.0**	43	#	**1.3**	16	#	**1.7**	3	--	--
Ag	**non**	**1**	2.0	61	#	**1.9**	28	#	**1.0**	12	#	**1.5**	0	--	--
Na	**N**	**NA**	194.5	0	--	--	8	--	--	2	--	--	0	--	--
Sr	**non**	**NA**	150.0	3	--	--	1	--	--	0	--	--	0	--	--
Tl	**non**	**NA**	3.8	8	--	--	8	--	--	1	--	--	0	--	--
Ti	**N**	**MNL**	217.0	0	--	--	8	--	--	0	--	--	0	--	--
V	**L**	**NA**	89.0	4	--	--	9	**62.1**	#	2	--	--	0	--	--
Zn	**N**	**47**	75.0	126	**83.1**	#	97	**65.7**	#	6	--	--	3	--	--

All data are in mg/kg (ppm)

L	Lognormal distribution
N	Normal distribution
non	Nonparametric distribution
ND	Non-detect

Dist.	Distribution of Data
n	Number of Samples
NA	Not Applicable (no value listed in Part 201)
MNL	Metal Not Listed in Part 201
--	No value calculated (too few samples/detections)
	Less than Table 1 Upper Value
#	Not appropriate calculation method
98 - 100% ND	Non-detect percentage too high to estimate a value - use Table 1

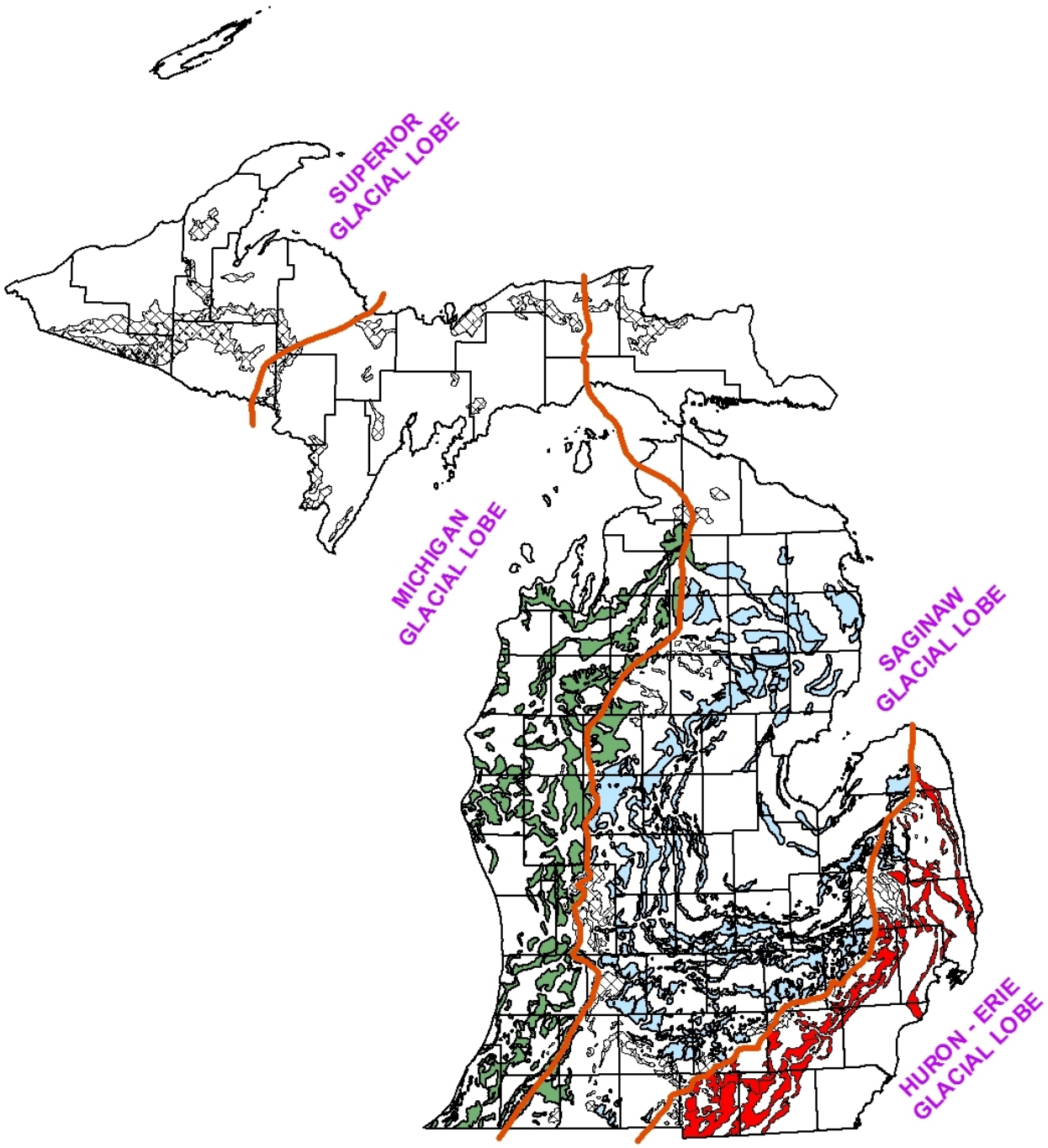
2005 MBSS

Appendix C

Michigan Background Soil Survey (Updated 2015)

The Michigan Department of Environmental Quality (MDEQ) was reorganized and renamed as the Michigan Department of Environment, Great Lakes, and Energy (EGLE) on April 22, 2019. Because this report reflects activities prior to this date, references to DEQ remain and are understood to refer to EGLE.

MICHIGAN BACKGROUND SOIL SURVEY
(Updated 2015)



Permit & Corrective Action Unit
Hazardous Waste Section
Office of Waste Management & Radiological Protection

Michigan Background Soil Survey 2015 Update

Introduction

In 1991, the Michigan Department of Natural Resources (MDNR) released a compilation of soil sampling data that represented what is assumed to be the naturally occurring background concentration of metals in Michigan soils. The data were presented in the "Michigan Background Soil Survey" (MBSS) in April 1991 and after the creation of the Michigan Department of Environmental Quality (MDEQ) the 2005 version was published. In 2014, additional soil sampling data from locations that represent background conditions were collected from files of the Remediation and Redevelopment Division (RRD), and the MBSS 2005 has been updated in 2015 by the MDEQ [(1)].

History

During the mid-1980s, closure plans were submitted to the state pursuant to cleanups and corrective action work at regulated hazardous waste treatment, storage, and disposal facilities. In order to assure that soil removal performed to achieve clean closure was accomplished, standards were established that mandated the removal of contaminants until concentrations were non-detectable or within the naturally occurring background range. Therefore, facilities undergoing closure or corrective action for metals were required to submit analyses of soil from their specific location to determine the criteria to be met, which is statistically equivalent to the local, un-impacted background conditions. In order to evaluate the validity of these site-specific background values, a Michigan soil background database was compiled. That background soils database included information gathered by regulated facilities, as well as samples collected and analyzed by the state.

Background soil data from the regulated facilities were obtained using standard sampling and analytical techniques at the time of collection, which were approved by the state, usually as part of a closure plan or remediation efforts. Common analytical methods from EPA/SW-846 were used (EPA method 200.7, SW-846 method series 6000/7000, etc.). Samples collected by the state were analyzed by an approved contract laboratory, or through the State of Michigan Environmental Laboratory. Some data included was from United States Geological Survey (USGS) and the Army Corp of Engineers. All results represent a total (environmentally available) metals analysis.

Data Reduction

The background soil data for each metal has been reviewed in two basic ways. The first is looking at the data by general soil type. Based usually on a visual observation, and occasionally a soil classification system, soil samples were divided into the following general soil types: topsoil, sand or clay. The other breakdown was by geographic location, using glacial geology distinctions. In Michigan there were several different glacial ice sheets (lobes) that covered distinct areas. The glacial lobes have varying points of origin and traverse differing types of bedrock, and thus the resulting glacial sediments could have varying chemical characteristics based on source rock influences. The assumed boundaries of the glacial lobes have been revised for the 2015 update based on additional information resources [(2)]. Summary statistics are presented for general soil types and for broad geographic areas based on the location of major glacial lobes.

Since the data comes from investigations at different sites, each with various parameters of concern, the suite of metals analyzed was not the same in each case. Depending on how commonly the metal was a pollutant of concern, and the number of samples taken for site-specific background determinations, each

metal will have a different total number of individual samples and number of sites/locations the samples came from.

Statistics

A basic statistical analysis was performed for each metal represented in the database [3]. First, the percentage of non-detect values was determined, followed by analysis of the underlying distribution of the data. Finally, summary statistics such as the mean, median, standard deviation, quantiles and the range of concentrations for a metal were calculated with normal, lognormal, or nonparametric methods as appropriate.

In terms of detection limits, metals with 0 – 15 % non-detect results had a value equal to one half (1/2) of the respective detection limit substituted for calculation of summary statistics (Al, As, Ba, Cr, Cu, Fe, Mg, Mn, Sr, Ti, V, Zn). Metals with 15 - 50% non-detect results had summary statistics calculated using Cohen's adjustment (Co, Li, Na, Ni, Pb). For metals with over 50% non-detects, a nonparametric method was used (Ag, Be, Cd, Hg, Mo, Sb, Se, Tl).

The data distribution was analyzed using graphical techniques (histogram, probability plot, box plot) and the Shapiro-Francia or Shapiro-Wilk Goodness-of-Fit test. For simplicity's sake, only normal or lognormal distributions were checked and the best fit to the respective metals' data was chosen. Subsequently, summary statistics were calculated as appropriate for a normal, lognormal, or nonparametric distribution. Tables are attached that list the summary statistics for each metal.

Summary

The MBSS is meant to provide a resource for information regarding the concentration of naturally occurring metals that can be expected in various general soil types and geographic areas of Michigan. Site-specific data is recommended to get the best representation of a local background concentration.

Contact Information

If there are any questions, or a desire to obtain data, please contact those listed below:

Dale Bridgford 517-284-6556 bridgfordd@michigan.gov

Attachments

Table 1	Statewide Information – all data combined
Tables 2, 3, 4	Topsoil, Sand and Clay - typical range of concentrations
Figure 1	All Sample Locations and glacial lobe boundaries
Figures 2, 3, 4	Topsoil, Sand and Clay - sample locations

TABLE 1 - Statewide Information

METAL	Number of samples	Sites	Percent Non-detect	Assumed Distribution of Data	{a} Mean (mg/kg)	{b} Standard Deviation	Median (mg/kg)	{c} Typical Range of data (mg/kg)
Aluminum (Al)	508	171	0 %	Lognormal	3085	2.317	3205	594 - 16014
Antimony (Sb)	259	82	83.8 %	Non-para	na	na	< 0.30	<0.04 - 11.5
Arsenic (As)	1795	490	6.3 %	Lognormal	2.5	3.088	2.8	< 0.3 - 22.8
Barium (Ba)	1241	401	2.0 %	Lognormal	20.2	2.981	21.7	2.4 - 172
Beryllium (Be)	390	155	71.3 %	Non-para	na	na	< 0.21	<0.09 – 1.0
Cadmium (Cd)	1347	413	69.9 %	Non-para	na	na	< 0.23	<0.05 – 2.0
Chromium (Cr)	861	247	12.5 %	Lognormal	5.7	3.197	6.1	< 0.6 - 55.6
Cobalt (Co)	1161	426	18.4 %	Cen-Log	4.9	2.378	5.1	<0.9 – 26.8
Copper (Cu)	1393	437	7.4 %	Lognormal	6.2	2.920	7.3	<8 - 50.6
Iron (Fe)	568	197	0 %	Lognormal	5533	2.537	5825	86 - 34311
Lead (Pb)	1619	482	18.0 %	Cen-Log	4.0	3.192	5.0	<0.4 - 38.9
Lithium (Li)	312	124	28.5 %	Cen-Log	3.8	3.231	3.5	<0.4 - 37.9
Magnesium (Mg)	248	88	0 %	Lognormal	1884	4.508	1715	98 - 36049
Manganese (Mn)	574	209	0 %	Lognormal	121	3.240	152	12 - 1212
Mercury (Hg)	1168	414	89.1 %	Non-para	na	na	< 0.05	<0.01 - 0.5
Molybdenum (Mo)	275	116	89.1 %	Non-para	na	na	< 1	<0.25 – 5.0
Nickel (Ni)	850	255	18.8 %	Cen-Log	7.4	2.788	8.2	<1- 55.2
Selenium (Se)	1209	420	77.3 %	Non-para	na	na	< 0.44	<0.05 – 1.3
Silver (Ag)	973	320	92.2 %	Non-para	na	na	<0.20	<0.03 – 1.4
Sodium (Na)	216	76	31.9 %	Cen-Log	58.7	3.041	85	<6.6 - 519
Strontium (Sr)	81	51	0 %	Non-para	na	na	31	1.7 - 150
Thallium (Tl)	369	124	90.2 %	Non-para	na	na	< 0.50	<0.08 – 2.7
Titanium (Ti)	97	41	0 %	Normal	118	45.0	108	28 - 208
Vanadium (V)	406	167	1.7 %	Lognormal	9.9	2.500	9.9	1.6 - 59.6
Zinc (Zn)	1392	433	2.2 %	Lognormal	18.3	2.593	22	3 - 118

{a} For lognormal distributions, this represents the geometric mean. For normal distributions this represents the arithmetic mean. The mean was not estimated for data with non-parametric distributions (greater than 50% non-detect).

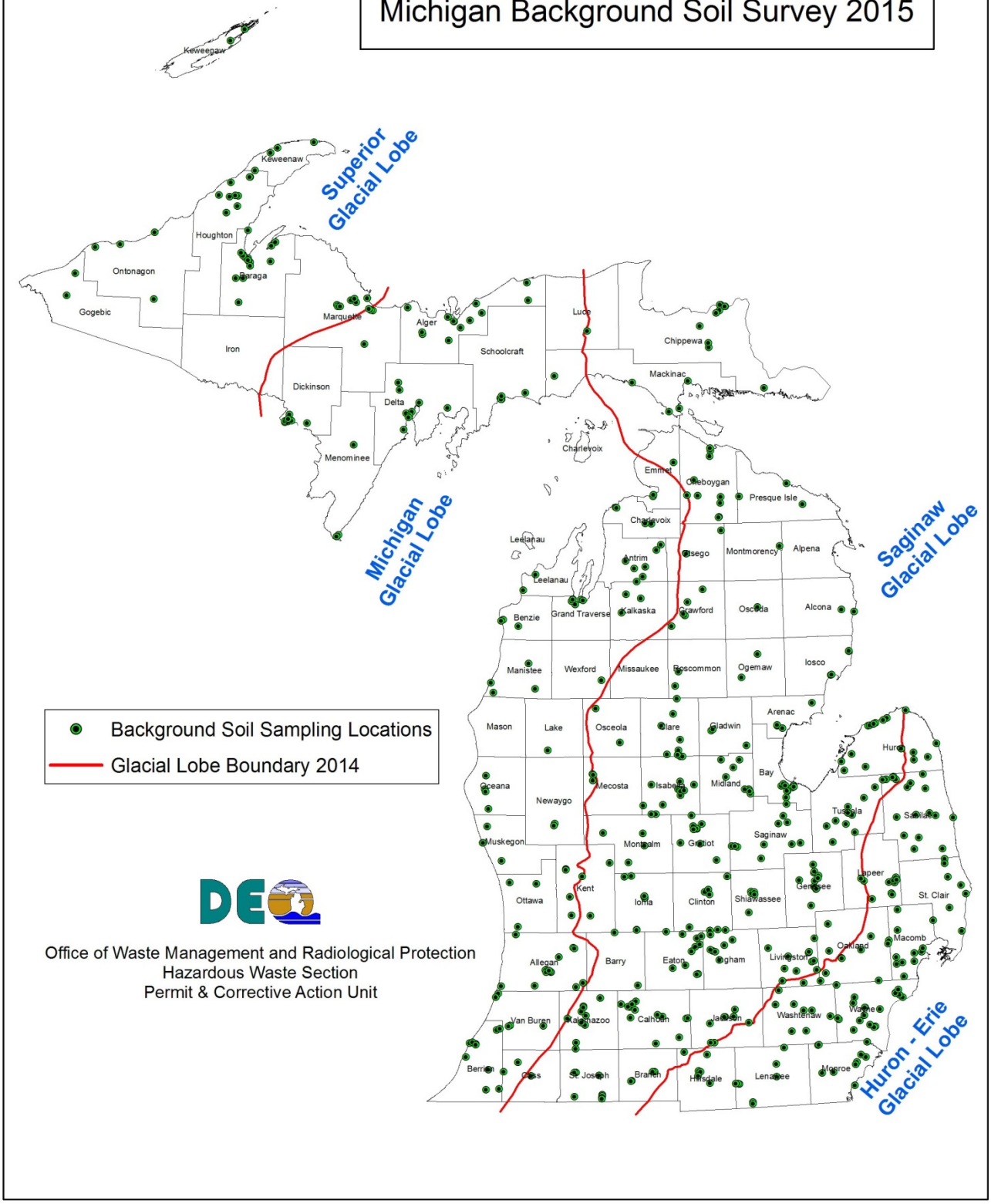
{b} For lognormal distributions, this represents the geometric standard deviation and is unit-less. The standard deviation is not estimated for data with non-parametric distributions.

{c} Typical range given is the central 95% of the data, or two standard deviations, calculated using the appropriate normal or lognormal formulas. The non-parametric range is based on the 2.5^{th} and 97.5^{th} quantiles of the data set.

na = not applicable for nonparametric data distribution
Non-para = nonparametric (> 50% non-detect)
Cen-Log – censored lognormal (<15 – <50% non-detect)

FIGURE 1

ALL SAMPLING LOCATIONS
Michigan Background Soil Survey 2015



Office of Waste Management and Radiological Protection
Hazardous Waste Section
Permit & Corrective Action Unit

TABLE 2 – TOPSOIL

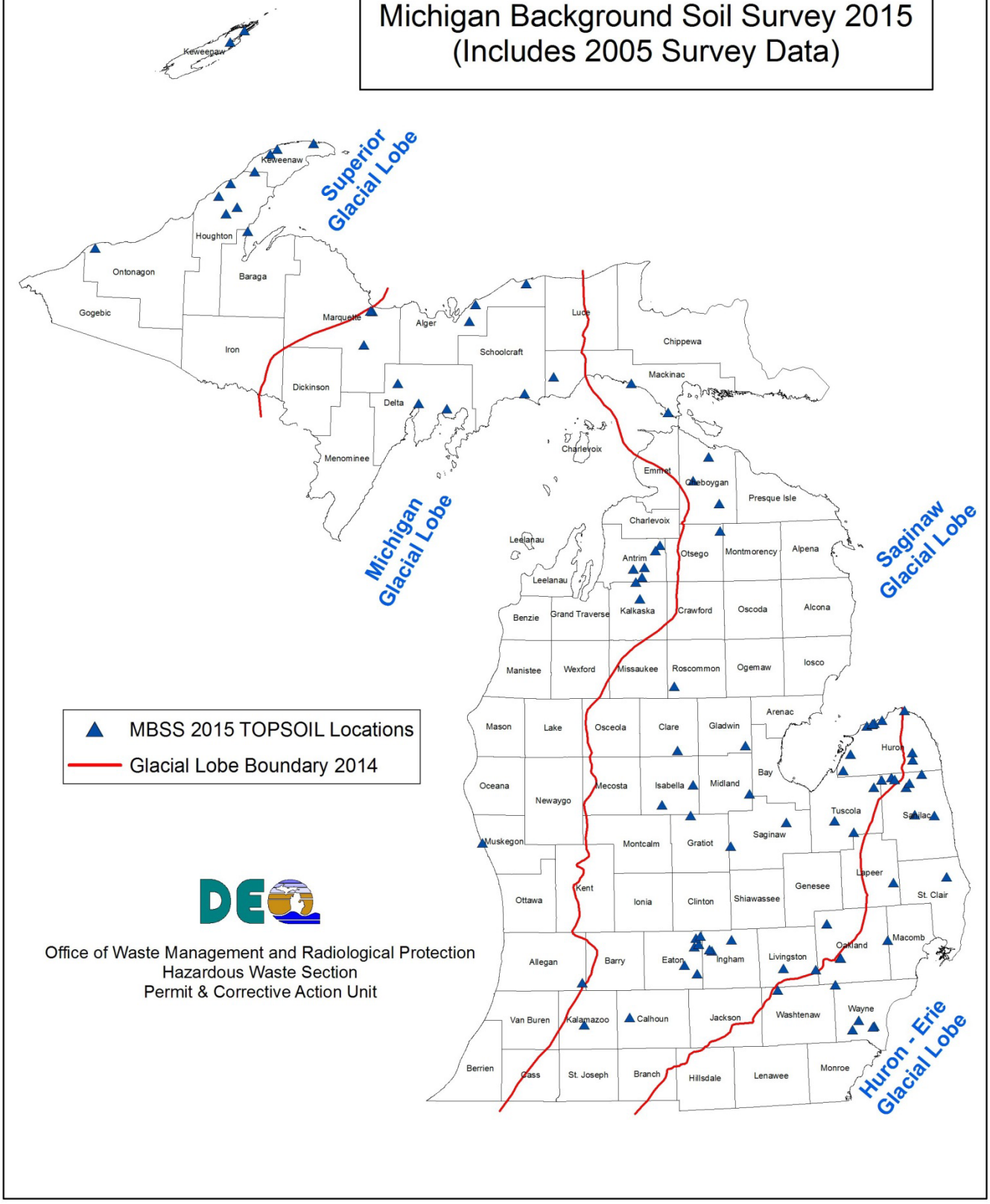
	Dist.	Glacial Lobe Area																				Statewide						
		HURON - ERIE					SAGINAW					MICHIGAN					SUPERIOR					TOPSOIL – Combined Statewide Data						
		n	x	SD	1 SD	2 SD	n	x	SD	1 SD	2 SD	n	x	SD	1 SD	2 SD	n	x	SD	1 SD	2 SD	n	min	max	x	SD	1 SD	2 SD
Al	L	11	4554	1.439	6553	**9294**	47	2253	2.236	5038	**10908**	25	1041	1.751	1823	**3121**	15	3488	2.110	7360	**15072**	98	340	9950	2141	2.330	4989	**11237**
Sb	Np	0	--	--	--	**--**	1	--	--	--	**--**	0	--	--	--	**--**	0	--	--	--	**--**	1	--	--	--	--	--	**--**
As	L	51	5.7	1.630	9.3	**14.9**	103	2.2	2.357	5.2	**11.8**	29	1.0	2.149	2.1	**4.5**	17	1.4	1.707	2.4	**4.0**	200	<0.25	34	2.4	2.537	6.1	**14.9**
Ba	L	16	40	2.602	104	**261**	52	22.7	1.876	42.6	**77.9**	29	13.5	2.242	30.3	**65.7**	17	41.4	1.749	72.4	**124**	114	<2.2	103	23.6	2.272	53.6	**118**
Be	Np	2	<0.20	--	--	**--**	13	<0.30	--	0.31	**0.71**	0	--	--	--	**--**	0	--	--	--	**--**	15	<0.20	0.84	<0.30	--	0.3	**0.69**
Cd	Np	16	<2.0	--	2.0	**2.0**	52	<2.0	--	<2.0	**<2.0**	29	<2.0	--	<2.0	**<2.0**	17	<2.0	--	<2.0	**<2.0**	114	<0.12	2.0	<2.0	--	<2.0	**2.0**
Cr	L	19	13.1	1.698	22.2	**37.0**	53	5.3	2.459	13.0	**30.9**	29	3.2	1.851	5.9	**10.7**	17	7.7	2.227	17.1	**37.0**	118	<0.70	36	5.7	2.438	13.9	**32.7**
Co	Np	11	<5.0	--	5.7	**7.0**	39	<5.0	--	<5.0	**6.1**	23	<5.0	--	<5.0	**<5.0**	15	<5.0	--	6.1	**11.8**	88	<2.5	14	<5.0	--	<5.0	**7.0**
Cu	L	16	9.9	2.343	23.2	**52.5**	53	4.3	2.377	10.2	**23.5**	29	2.4	2.308	5.5	**12.4**	17	31.3	2.290	71.7	**159**	115	<0.50	82.5	5.6	3.270	18.3	**57.1**
Fe	L	11	9476	1.473	13958	**20244**	51	4439	2.540	11275	**27590**	29	2175	1.840	4002	**7186**	17	5247	2.060	10809	**21632**	108	320	22300	4065	2.431	9882	**23185**
Pb	CL	42	11.6	1.973	22.9	**43.9**	67	8.0	1.968	15.7	**30.2**	29	6.9	1.825	12.6	**22.4**	17	12.1	2.524	30.5	**74.3**	155	<2.3	66.2	9.1	2.048	18.6	**37.1**
Li	V	11	4.3	1.581	6.8	**10.6**	43	2.3	2.581	5.9	**14.8**	23	< 2.0	--	2.3	**3.0**	17	2.9	1.932	5.6	**10.5**	94	<2.0	12	2.2	2.363	5.2	**11.9**
Mg	L	5	3184	2.088	6648	**13489**	5	1410	1.829	2579	**4604**	0	--	--	--	**--**	0	--	--	--	**--**	10	490	8900	2119	2.152	4560	**9517**
Mn	L	11	524	2.224	1165	**2510**	52	113	2.891	327	**905**	29	109	3.441	375	**1228**	17	154	2.413	372	**866**	109	3.0	1500	137	3.154	432	**1302**
Hg	Np	16	<0.10	--	0.10	**0.16**	52	<0.10	--	<0.10	**0.4**	29	<0.10	--	<0.10	**0.10**	17	<0.10	--	<0.10	**0.12**	114	<0.05	0.5	<0.10	--	<0.10	**0.27**
Mo	Np	2	<5.0	--	--	**--**	12	<5.0	--	<5.0	**<5.0**	0	--	--	--	**--**	0	--	--	--	**--**	14	<5.0	<5.0	<5.0	--	<5.0	**<5.0**
Ni	V	12	9.3	3.7	13.0	**16.6**	52	< 5.0	--	9.0	**14.0**	29	<5.0	--	<5.0	**7.1**	17	8.2	3.012	24.7	**71.2**	110	<3.5	47	4.3	2.448	10.5	**24.9**
Se	Np	23	<0.5	--	1.3	**4.7**	51	<0.50	--	<0.50	**0.65**	29	<0.50	--	<0.50	**0.53**	17	<0.50	--	<0.50	**0.65**	120	<0.05	8	<0.50	--	<0.50	**1.3**
Ag	Np	6	<0.25	--	0.75	**1.6**	5	<0.25	--	<0.25	**<0.25**	0	--	--	--	**--**	0	--	--	--	**--**	11	<0.20	1.7	<0.25	--	0.35	**1.4**
Na	V	2	125	--	--	**--**	5	92	24.6	117	**140**	0	--	--	--	**--**	0	--	--	--	**--**	7	<65	130	101	25.9	127	**153**
Sr	Np	0	--	--	--	**--**	7	106	--	148	**156**	0	--	--	--	**--**	0	--	--	--	**--**	7	73	157	106	--	148	**156**
Tl	Np	2	<1.0	--	--	**--**	5	<1.0	--	<1.0	**<1.0**	0	--	--	--	**--**	0	--	--	--	**--**	7	<1.0	<1.0	<1.0	--	<1.0	**<1.0**
Ti	N	2	94.5	--	---	**--**	12	133	43.9	177	**219**	0	--	--	--	**--**	0	--	--	--	**--**	14	73	210	127	42.8	170	**211**
V	L	2	21	--	--	**--**	12	14.1	1.483	20.9	**30.5**	0	--	--	--	**--**	0	--	--	--	**--**	14	<8.0	28	14.9	1.480	22.1	**32.1**
Zn	L	27	39.8	1.770	70.4	**122**	53	18.5	2.057	38.1	**76.1**	29	9.7	2.207	21.4	**45.8**	17	36.7	2.039	74.8	**148**	126	<2.5	99	20.6	2.400	49.4	**115**

Data in mg/kg
Dist. = Distribution of data (CL – Censored Lognormal, L-Lognormal, Np- Nonparametric, N- Normal, V-various).
n = number of samples.
x = arithmetic or geometric mean, nonparametric median (mg/kg).
SD = arithmetic or geometric standard deviation, not applicable for nonparametric.
min = minimum value in data set (mg/kg).
max = maximum value in data set (mg/kg)

Data Range	Lognormal Distribution	Normal Distribution	Nonparametric equivalent
1 SD	(x)(SD)	x + (1)SD	84th quantile
2 SD	(x)(SD)$^{1.96}$	x+ (1.96)SD	97.5th quantile

FIGURE 2

TOPSOIL SAMPLING LOCATIONS
Michigan Background Soil Survey 2015
(Includes 2005 Survey Data)



Office of Waste Management and Radiological Protection
Hazardous Waste Section
Permit & Corrective Action Unit

TABLE 3 – SAND

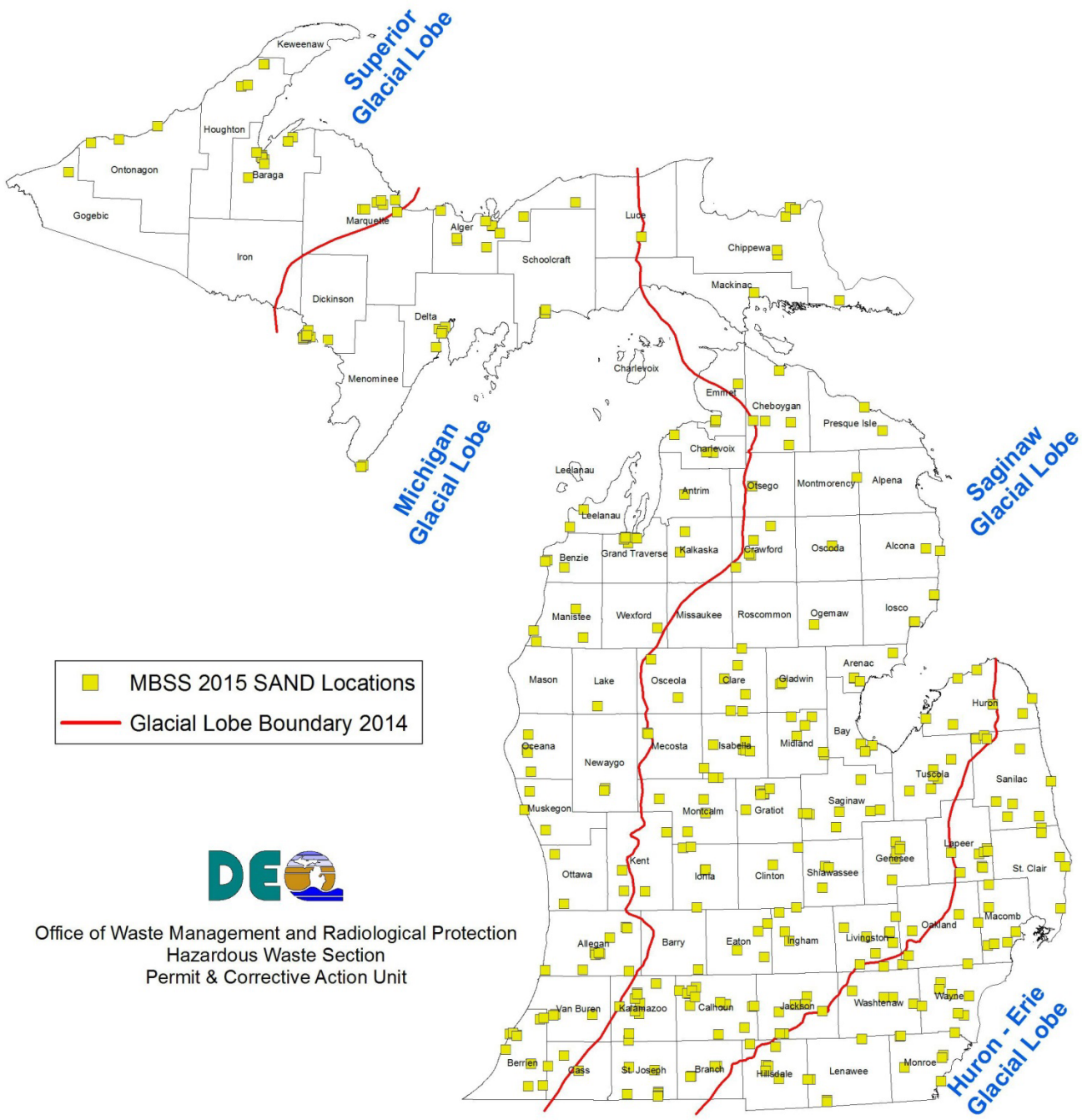
	Dist.	Glacial Lobe Area																				Statewide						
		HURON - ERIE					SAGINAW					MICHIGAN					SUPERIOR					SAND – Combined Statewide Data						
		n	x	SD	1 SD	2 SD	n	x	SD	1 SD	2 SD	n	x	SD	1 SD	2 SD	n	x	SD	1 SD	2 SD	n	min	max	x	SD	1 SD	2 SD
Al	L	31	3024	1.667	5041	**8233**	162	2265	1.930	4371	**8218**	67	1842	1.850	3408	**6151**	26	5256	2.324	12215	**27446**	286	250	24900	2404	2.031	4883	**9639**
Sb	Np	15	<0.33	--	0.65	**8.7**	58	<0.42	--	< 1.0	**10.8**	50	<0.30	--	<2.9	**5**	57	<0.30	--	0.30	**1.9**	180	<0.08	12.9	<0.30	--	< 1.0	**5.9**
As	L	175	4.1	2.580	10.6	**26.3**	509	1.8	3.140	5.7	**17**	194	0.86	2.630	2.3	**5.7**	87	1.0	2.052	2.1	**4.1**	965	<0.05	40	1.7	3.189	5.4	**16.5**
Ba	L	103	28.1	2.713	76.2	**199**	374	12.4	2.350	29.1	**66.2**	199	8.4	2.784	23.4	**62.5**	85	18.9	2.399	45.3	**105**	761	<0.50	240	13.1	2.713	35.5	**92.6**
Be	Np	31	<0.20	--	0.51	**0.78**	125	<0.20	--	<1.0	**1.0**	74	<0.20	--	<0.50	**1.0**	57	<0.20	--	0.31	**0.86**	287	<0.04	2	<0.20	--	0.50	**1.0**
Cd	Np	97	<0.24	--	2.0	**2.0**	378	<0.2	--	2.0	**2.0**	214	<0.2	--	0.76	**2.0**	79	<0.2	--	0.20	**2.0**	768	<0.01	2.1	<0.20	--	2.0	**2.0**
Cr	L	67	4.1	2.778	11.4	**30.4**	219	3.7	2.347	8.7	**19.7**	100	1.7	3.401	5.8	**18.7**	60	3.1	2.782	8.6	**23.0**	446	<0.25	50	3.1	2.835	8.8	**23.9**
Co	CL	78	6.6	1.666	11.0	**17.9**	376	3.8	2.037	7.7	**15.3**	226	2.9	2.327	6.7	**15.2**	95	7.9	2.137	16.9	**35.0**	775	<0.50	36.7	4.1	2.265	9.3	**20.4**
Cu	L	116	6.5	1.928	12.5	**23.5**	397	3.6	2.412	8.7	**20.2**	210	2.9	3.282	9.5	**29.8**	92	12.7	3.139	39.9	**120**	815	<0.25	375	4.3	2.937	12.6	**35.5**
Fe	L	36	5863	1.934	11339	**21359**	165	4005	2.270	9091	**19972**	80	3032	1.973	5982	**11486**	60	7398	2.270	16793	**36891**	341	100	39000	4351	2.289	9959	**22054**
Pb	CL	132	6.1	2.017	12.3	**24.1**	429	2.8	2.586	7.2	**18.0**	245	1.8	3.206	5.8	**17.7**	155	1.4	4.357	6.1	**25.1**	961	<0.07	36	2.5	3.173	7.9	**24.0**
Li	V	7	3.5	--	7.3	**9.6**	101	2.8	2.232	6.2	**13.5**	22	2.3	2.287	5.3	**11.6**	18	9.7	8.1	17.8	**25.9**	148	<0.80	24.4	2.9	2.575	7.5	**18.5**
Mg	L	18	1411	3.341	4714	**15008**	112	1184	4.016	4755	**18063**	46	1288	3.868	4982	**18255**	26	2010	2.162	4346	**9110**	202	6.9	28000	1312	3.689	4840	**16946**
Mn	L	24	89.2	3.202	286	**873**	170	73.3	3.079	226	**664**	73	64.8	3.478	225	**745**	65	133	3.104	413	**1225**	332	1.0	3600	81.3	3.252	264	**820**
Hg	Np	102	<0.05	--	<0.10	**0.12**	320	<0.05	--	<0.10	**0.23**	188	<0.05	--	<0.10	**0.10**	82	<0.05	--	0.10	**0.11**	692	<0.01	1.2	<0.05	--	<0.10	**0.13**
Mo	Np	17	< 1.0	--	<5.0	**5.0**	95	<5.0	--	<5.0	**5.0**	45	<1.0	--	<5.0	**<5.0**	53	<1.0	--	1.0	**1.4**	210	<0.20	5.0	<1.0	--	<5.0	**5.0**
Ni	V	49	7.8	1.987	15.5	**30.0**	201	4.9	1.968	9.6	**18.5**	128	3.3	2.862	9.4	**25.9**	78	9.3	6.8	16.1	**22.9**	456	<0.08	39.9	4.8	2.469	11.9	**28.2**
Se	Np	109	<0.40	--	0.6	**3.9**	336	<0.35	--	0.54	**1.1**	175	<0.40	--	<0.50	**1.0**	74	<0.20	--	0.47	**0.91**	694	<0.05	4.4	<0.34	--	0.53	**1.2**
Ag	Np	92	<0.20	--	<0.89	**1.2**	296	<0.21	--	<0.50	**<2.0**	185	<0.15	--	<0.50	**0.79**	78	<0.10	--	0.19	**0.50**	651	<0.01	2.0	<0.18	--	<0.50	**1.1**
Na	V	17	<88	--	316	**487**	103	52.6	3.364	177	**567**	40	68.3	41.0	109	**150**	24	43.7	1.750	76.5	**131**	184	<1.9	680	50.9	2.978	152	**432**
Sr	Np	4	28	--	93	**141**	31	28	--	77	**150**	9	4.9	--	70	**94**	15	10	--	16	**72**	59	1.3	150	12.3	--	70	**150**
Tl	Np	39	<0.50	--	<2.7	**3.2**	127	<1.0	--	<1.0	**2.0**	63	<0.50	--	<1.0	**1.7**	58	<0.50	--	0.50	**1.2**	287	<0.02	6.1	<0.50	--	<1.0	**2.8**
Ti	N	4	150	45.5	196	**239**	58	115	40.3	155	**194**	12	111	54.8	166	**218**	0	--	--	--	**--**	74	13	250	117	43.3	160	**202**
V	L	39	9.7	2.020	19.6	**38.5**	145	7.6	2.245	17.1	**37.1**	77	5.2	2.305	12.0	**26.7**	59	15.8	2.251	35.6	**77.5**	320	<0.05	100	8.2	2.412	19.8	**46.1**
Zn	L	115	23.7	1.928	45.7	**85.8**	391	11.3	2.602	29.4	**73.6**	200	9.3	2.509	23.3	**56.4**	91	15.8	2.177	34.4	**72.6**	797	<0.50	95	12.4	2.558	31.7	**78.1**

Data in mg/kg
Dist. = Distribution of data (CL – Censored Lognormal, L-Lognormal, Np- Nonparametric, N- Normal, V-various).
n = number of samples.
x = arithmetic or geometric mean, nonparametric median (mg/kg).
SD = arithmetic or geometric standard deviation, not applicable for nonparametric.
min = minimum value in data set (mg/kg).
max = maximum value in data set (mg/kg).

Data Range	Lognormal Distribution	Normal Distribution	Nonparametric equivalent
1 SD	(x)(SD)	x + (1)SD	84th quantile
2 SD	(x)(SD)$^{1.96}$	x+ (1.96)SD	97.5th quantile

FIGURE 3

SAND SAMPLING LOCATIONS
Michigan Background Soil Survey 2015
(Includes 2005 Survey Data)



Office of Waste Management and Radiological Protection
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TABLE 4 – CLAY

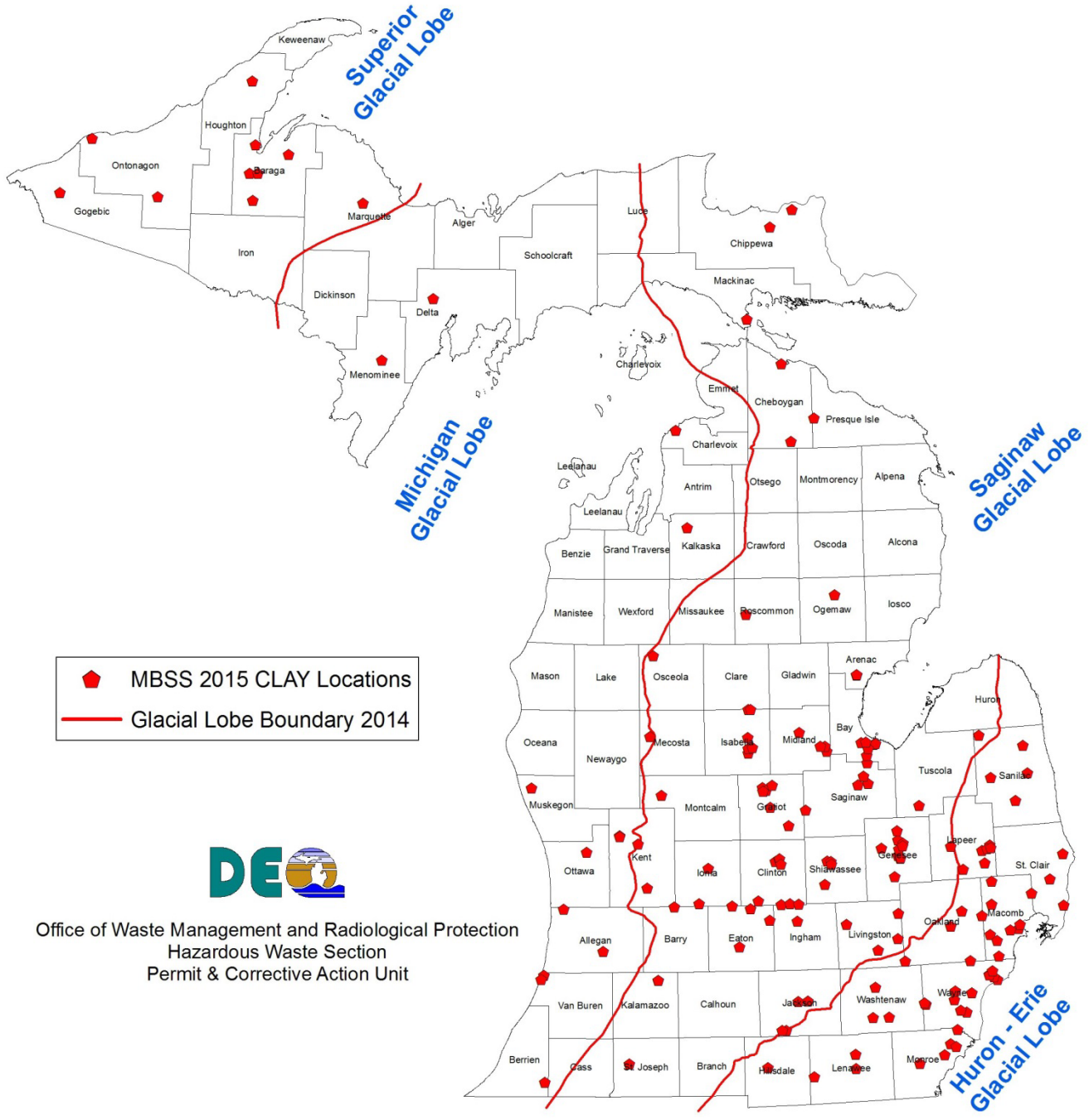
	Dist.	Glacial Lobe Area																				Statewide						
		HURON - ERIE					SAGINAW					MICHIGAN					SUPERIOR					CLAY – Combined Statewide Data						
		n	x	SD	1 SD	**2 SD**	n	x	SD	1 SD	**2 SD**	n	x	SD	1 SD	**2 SD**	n	x	SD	1 SD	**2 SD**	n	min	max	x	SD	1 SD	**2 SD**
Al	L	56	7445	1.615	12024	**19049**	62	6994	1.451	10148	**14508**	3	10430	1.577	16448	**25470**	3	9490	1.131	10733	**12080**	124	1240	19000	7318	1.530	11197	**16842**
Sb	Np	42	<0.52	--	11.3	**13**	33	<0.03	--	<0.5	**1.0**	3	<0.50	--	<3.6	**<50**	0	--	--	--	**--**	78	<0.04	14.4	<0.40	--	2.2	**13.0**
As	L	237	6.9	2.166	14.9	**31.4**	354	3.7	2.182	8.1	**17.1**	29	2.8	1.783	5.0	**8.7**	10	3.2	1.829	5.9	**10.4**	630	<0.20	88	4.6	2.298	10.6	**23.5**
Ba	L	166	64.4	1.903	123	**227**	171	37.6	2.334	87.8	**198**	25	30.5	1.905	58.1	**108**	4	51.8	3.338	173	**550**	366	<2.5	291	47.5	2.229	106	**229**
Be	V	35	0.48	1.744	0.84	**1.43**	42	0.26	2.608	0.68	**1.70**	5	<0.50	--	1.0	**1.0**	6	<1.0	--	2.2	**2.9**	88	<0.09	3.9	0.36	2.348	0.84	**1.9**
Cd	Np	196	<1.1	--	2.0	**3.1**	240	<0.50	--	2.0	**2.4**	25	<0.13	--	0.21	**2**	4	<1.0	--	<1.0	**<1.0**	465	<0.04	4.7	<0.66	--	2.0	**2.5**
Cr	L	139	16.9	2.168	36.6	**77.0**	141	11.5	1.971	22.7	**43.5**	8	11.0	2.608	28.7	**72.0**	9	29.4	1.543	45.4	**68.8**	297	<0.25	70	14.1	2.138	30.1	**62.5**
Co	CL	98	10.1	1.665	16.8	**27.4**	167	9.4	2.126	20.0	**41.2**	30	7.8	1.904	14.9	**27.6**	19	6.5	2.444	15.9	**37.5**	298	<0.20	85.1	9.3	2.019	18.8	**36.9**
Cu	L	192	14.2	1.840	26.1	**46.9**	232	11.1	1.722	19.1	**32.2**	29	7.9	1.760	13.9	**23.9**	10	19.4	2.066	40.1	**80.4**	463	<0.56	130	12.2	1.825	22.3	**39.7**
Fe	L	59	18110	1.438	26042	**36908**	52	11920	1.814	21623	**38301**	5	10620	1.701	18065	**30082**	3	10970	1.119	12275	**13674**	119	2100	32000	14560	1.690	24606	**40721**
Pb	CL	196	8.6	1.767	15.2	**26.2**	267	8.2	2.327	19.1	**42.9**	29	5.1	1.745	8.9	**15.2**	11	6.2	2.387	14.8	**34.1**	503	<0.86	32	8.1	2.097	17.0	**34.6**
Li	L	32	19.3	1.458	28.1	**40.4**	25	13.5	1.719	23.2	**39.0**	4	13.0	--	16.5	**16.9**	9	14.4	1.596	23.0	**36.0**	70	<3.5	77	15.9	1.611	25.6	**40.5**
Mg	L	20	11760	2.883	33904	**93692**	15	16700	3.269	54592	**170203**	1	24000	--	--	**--**	0	--	--	--	**--**	36	895	140000	13880	3.002	41668	**119706**
Mn	L	53	321	1.725	554	**935**	65	267	1.588	424	**661**	6	243	1.593	387	**605**	9	335	1.517	508	**758**	133	67	1200	290	1.648	478	**772**
Hg	Np	168	<0.06	--	<0.11	**0.58**	164	<0.07	--	<0.10	**0.5**	20	<0.05	--	0.10	**0.70**	10	0.11	--	0.55	**0.61**	362	<0.01	1.2	<0.06	--	<0.10	**0.57**
Mo	Np	14	<2.5	--	4.9	**5.0**	27	<1.0	--	<5.0	**5.0**	4	<3.0	--	<3.0	**<3.0**	6	<3.0	--	<3.0	**<3.0**	51	<0.22	5.0	<2.2	--	<5	**5.0**
Ni	V	140	23.0	10.2	33.2	**43.4**	126	18.9	8.7	27.6	**36.0**	9	10.8	2.001	21.6	**42.1**	9	18.0	6.3	24.3	**30.6**	284	<0.56	53	20.7	9.7	30.4	**40.1**
Se	V	189	<0.50	--	1.0	**1.2**	169	<0.50	--	0.60	**1.1**	27	<0.2	--	0.48	**1.5**	10	0.45	0.11	0.56	**0.67**	395	<0.05	2.4	<0.50	--	0.70	**1.2**
Ag	Np	139	<0.50	--	1.2	**6.0**	148	<0.20	--	<0.50	**1.0**	23	<0.10	--	<0.31	**0.50**	1	<0.5	--	--	**--**	311	<0.02	6.2	<0.25	--	<0.90	**2.8**
Na	V	10	114	240	354	**594**	14	186	1.382	257	**351**	1	--	--	--	**--**	0	--	--	--	**--**	25	<4.5	477	178	129	307	**436**
Sr	Np	6	102	--	150	**150**	1	100	--	--	**--**	2	110	--	--	**--**	6	100	--	150	**150**	15	53	150	100	--	150	**150**
Tl	Np	39	<0.56	--	1.1	**1.7**	33	<1.5	--	<1.5	**<1.5**	3	<0.50	--	<0.50	**<0.50**	0	--	--	--	**--**	75	<0.09	1.8	<0.50	--	<1.0	**1.6**
Ti	N	1	100	--	--	**--**	8	123	67.3	190	**255**	0	--	--	--	**--**	0	--	--	--	**--**	9	42	210	120	63.4	183	**244**
V	L	28	22.9	2.068	47.4	**95.1**	33	16.4	1.742	28.6	**48.7**	5	19.0	2.455	46.6	**110**	6	57.7	1.509	87.1	**129**	72	<4.3	150	21.0	2.050	43.1	**85.8**
Zn	L	218	43.9	1.537	67.5	**102**	212	27.8	1.841	51.2	**91.9**	29	24.0	1.705	40.9	**68.3**	10	26.8	2.819	75.5	**204**	469	<1.5	140	34.0	1.805	61.4	**108**

Data in mg/kg
Dist. = Distribution of data (CL – Censored Lognormal, L-Lognormal, Np- Nonparametric, N- Normal, V-various).
n = number of samples.
x = arithmetic or geometric mean, nonparametric median (mg/kg).
SD = arithmetic or geometric standard deviation, not applicable for nonparametric.
min = minimum value in data set (mg/kg).
max = maximum value in data set (mg/kg).

Data Range	Lognormal Distribution	Normal Distribution	Nonparametric equivalent
1 SD	(x)(SD)	x + (1)SD	84th quantile
2 SD	(x)(SD)$^{1.96}$	x+ (1.96)SD	97.5th quantile

FIGURE 4

CLAY SAMPLING LOCATIONS
Michigan Background Soil Survey 2015
(Includes 2005 Survey Data)



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Hazardous Waste Section
Permit & Corrective Action Unit

References

(1) Background soil data:

a) The RRD Soil Background Technical Assistance Program Support (TAPS) Team was formed, that includes technical staff with backgrounds in geology, environmental engineering, quality assurance, soil science, chemistry and statistics, including a representative from each of DEQ's District offices. The TAPS Team developed the data collection Data Quality Objective (DQO). This team compiled and analyzed the new data to ensure that it met the data quality objectives specified. This TAPS team will work with stakeholders to ensure that the process is transparent and the results are technically sound.

b) Data was collected, organized, scanned and data entered into spreadsheets by Zachary Spots (student intern from Western Michigan University) and RRD staff in Lansing and the District offices.

c) A Data Quality Objective (DQO) dated September 20, 2013 was developed to describe how to collect new data and accept as valid natural background. Data collection followed this DQO. A separate DQO dated July 10, 2014 was completed address the statistical review of the data.

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Appendix D

MODIFIED TABLES 2, 3, AND 4

2005 Michigan Background Soil Survey UPDATED 2015

Table 2 - TOPSOIL

	Dist.	Part 201 Statewide Default Background	Table 1 Upper Range Value	Glacial Lobe Area											
				HURON - ERIE			SAGINAW			MICHIGAN			SUPERIOR		
				n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles
Aluminum (Al)	L	6,900	16,014	11	**9,294**	#	47	**10,908**	#	25	**3,121**	#	15	**15,072**	#
Antimony (Sb)	Np	NA	11.5	0	--	--	1	--	--	0	--	--	0	--	--
Arsenic (As)	L	5.8	22.8	51	**14.9**	#	103	**11.8**	#	29	**4.5**	#	17	**4**	#
Barium (Ba)	L	75	172	16	**261**	#	52	**77.9**	#	29	**65.7**	#	17	**124**	#
Beryllium (Be)	Np	NA	1	2	--	--	13	#	**0.71**	0	--	--	0	--	--
Cadmium (Cd)	Np	1.2	2	16	#	**2**	52	#	**<2.0**	29	#	**<2.0**	17	#	**<2.0**
Chromium (Cr)	L	18	55.6	19	**37**	#	53	**30.9**	#	29	**10.7**	#	17	**37**	#
Cobalt (Co)	Np	6.8	26.8	11	#	**7**	39	#	**6.1**	23	#	**<5.0**	15	#	**11.8**
Copper (Cu)	L	32	50.6	16	**52.5**	#	53	**23.5**	#	29	**12.4**	#	17	**159**	#
Iron (Fe)	L	12,000	34,311	11	**20,244**	#	51	**27,590**	#	29	**7,186**	#	17	**21,632**	#
Lead (Pb)	CL	21	38.9	42	**43.9**	#	67	**30.2**	#	29	**22.4**	#	17	**74.3**	#
Lithium (Li)	V	9.8	37.9	11	**10.6**	#	43	**14.8**	#	23	**3**	#	17	**10.5**	#
Magnesium (Mg)	L	NA	36,049	5	**13,489**	#	5	**4,604**	#	0	--	--	0	--	--
Manganese (Mn)	L	440	1,212	11	**2,510**	#	52	**905**	#	29	**1,228**	#	17	**866**	#
Mercury (Hg)	Np	0.13	0.5	16	#	**0.16**	52	#	**0.4**	29	#	**0.1**	17	#	**0.12**
Molybdenum (Mo)	Np	NA	5	2	--	--	12	#	**<5.0**	0	--	--	0	--	--
Nickel (Ni)	V	20	55.2	12	**16.6**	#	52	**14**	#	29	**7.1**	#	17	**71.2**	#
Selenium (Se)	Np	0.41	1.3	23	#	**4.7**	51	#	**0.65**	29	#	**0.53**	17	#	**0.65**
Silver (Ag)	Np	1	1.4	6	#	**1.6**	5	#	**<0.25**	0	--	--	0	--	--
Sodium (Na)	V	NA	519	2	--	--	5	**140**	#	0	--	--	0	--	--
Strontium (Sr)	Np	NA	150	0	--	--	7	#	**156**	0	--	--	0	--	--
Thallium (Tl)	Np	NA	2.7	2	--	--	5	#	**<1.0**	0	--	--	0	--	--
Titanium (Ti)	N	MNL	208	2	--	--	12	**219**	#	0	--	--	0	--	--
Vanadium (V)	L	NA	59.6	2	--	--	12	**30.5**	#	0	--	--	0	--	--
Zinc (Zn)	L	47	118	27	**122**	#	53	**76.1**	#	29	**45.8**	#	17	**148**	#

All data in mg/kg (ppm)

Dist.	Distribution of data
L	Lognormal distribution
N	Normal distribution
CL	Censored lognormal distribution
Np	Nonparametric distribution
V	Various distributions

n	Number of samples
SD	Arithmetic or geometric standard deviation, not applicable for nonparametric.
NA	Not Applicable (no value listed in Part 201)
MNL	Metal not listed in Part 201 Criteria
--	No value calculated due to too few samples/detections
#	Not appropriate calculation method
	Less than Table 1 Upper Range Value

2005 MBSS
Updated 2015

Table 3 - SAND

	Dist.	Part 201 Statewide Default Background	Table 1 Upper Range Value	Glacial Lobe Area											
				HURON - ERIE			SAGINAW			MICHIGAN			SUPERIOR		
				n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles
Aluminum (Al)	L	6,900	16,014	31	**8,233**	#	162	**8,218**	#	67	**6,151**	#	26	**27,446**	#
Antimony (Sb)	Np	NA	11.5	15	#	**8.7**	58	#	**10.8**	50	#	**5**	57	#	**1.9**
Arsenic (As)	L	5.8	22.8	175	**26.3**	#	509	**17**	#	194	**5.7**	#	87	**4.1**	#
Barium (Ba)	L	75	172	103	**199**	#	374	**66.2**	#	199	**62.5**	#	85	**105**	#
Beryllium (Be)	Np	NA	1	31	#	**0.78**	125	#	**1**	74	#	**1**	57	#	**0.86**
Cadmium (Cd)	Np	1.2	2	97	#	**2**	378	#	**2**	214	#	**2**	79	#	**2**
Chromium (Cr)	L	18	55.6	67	**30.4**	#	219	**19.7**	#	100	**18.7**	#	60	**23**	#
Cobalt (Co)	CL	6.8	26.8	78	**17.9**	#	376	**15.3**	#	226	**15.2**	#	95	**35**	#
Copper (Cu)	L	32	50.6	116	**23.5**	#	397	**20.2**	#	210	**29.8**	#	92	**120**	#
Iron (Fe)	L	12,000	34,311	36	**21,359**	#	165	**19,972**	#	80	**11,486**	#	60	**36,891**	#
Lead (Pb)	CL	21	38.9	132	**24.1**	#	429	**18**	#	245	**17.7**	#	155	**25.1**	#
Lithium (Li)	V	9.8	37.9	7	**9.6**	#	101	**13.5**	#	22	**11.6**	#	18	**25.9**	#
Magnesium (Mg)	L	NA	36,049	18	**15,008**	#	112	**18,063**	#	46	**18,255**	#	26	**9,110**	#
Manganese (Mn)	L	440	1,212	24	**873**	#	170	**664**	#	73	**745**	#	65	**1,225**	#
Mercury (Hg)	Np	0.13	0.5	102	#	**0.12**	320	#	**0.23**	188	#	**0.1**	82	#	**0.11**
Molybdenum (Mo)	Np	NA	5	17	#	**5**	95	#	**5**	45	#	**<5.0**	53	#	**1.4**
Nickel (Ni)	V	20	55.2	49	**30**	#	201	**18.5**	#	128	**25.9**	#	78	**22.9**	#
Selenium (Se)	Np	0.41	1.3	109	#	**3.9**	336	#	**1.1**	175	#	**1**	74	#	**0.91**
Silver (Ag)	Np	1	1.4	92	#	**1.2**	296	#	**<2.0**	185	#	**0.79**	78	#	**0.5**
Sodium (Na)	V	NA	519	17	**487**	#	103	**567**	#	40	**150**	#	24	**131**	#
Strontium (Sr)	Np	NA	150	4	#	**141**	31	#	**150**	9	#	**94**	15	#	**72**
Thallium (Tl)	Np	NA	2.7	39	#	**3.2**	127	#	**2**	63	#	**1.7**	58	#	**1.2**
Titanium (Ti)	N	MNL	208	4	**239**	#	58	**194**	#	12	**218**	#	0	**--**	**--**
Vanadium (V)	L	NA	59.6	39	**38.5**	#	145	**37.1**	#	77	**26.7**	#	59	**77.5**	#
Zinc (Zn)	L	47	118	115	**85.8**	#	391	**73.6**	#	200	**56.4**	#	91	**72.6**	#

All data in mg/kg (ppm)

Dist.	Distribution of data
L	Lognormal distribution
N	Normal distribution
CL	Censored lognormal distribution
Np	Nonparametric distribution
V	Various distributions

n	Number of samples
SD	Arithmetic or geometric standard deviation, not applicable for nonparametric.
NA	Not Applicable (no value listed in Part 201)
MNL	Metal not listed in Part 201 Criteria
--	No value calculated due to too few samples/detections
#	Not appropriate calculation method
	Less than Table 1 Upper Range Value

2005 MBSS
Updated 2015

Table 4 - CLAY

	Dist.	Part 201 Statewide Default Background	Table 1 Upper Range Value	Glacial Lobe Area											
				HURON - ERIE			SAGINAW			MICHIGAN			SUPERIOR		
				n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles	n	2 SD	97.5 Quantiles
Aluminum (Al)	L	6,900	16,014	56	**19,049**	#	62	**14,508**	#	3	**25,470**	#	3	**12,080**	#
Antimony (Sb)	Np	NA	11.5	42	#	**13**	33	#	**1**	3	#	**<50**	0	--	--
Arsenic (As)	L	5.8	22.8	237	**31.4**	#	354	**17.1**	#	29	**8.7**	#	10	**10.4**	#
Barium (Ba)	L	75	172	166	**227**	#	171	**198**	#	25	**108**	#	4	**550**	#
Beryllium (Be)	V	NA	1	35	**1.43**	#	42	**1.7**	#	5	**1**	#	6	**2.9**	#
Cadmium (Cd)	Np	1.2	2	196	#	**3.1**	240	#	**2.4**	25	#	**2**	4	#	**<1.0**
Chromium (Cr)	L	18	55.6	139	**77**	#	141	**43.5**	#	8	**72**	#	9	**68.8**	#
Cobalt (Co)	CL	6.8	26.8	98	**27.4**	#	167	**41.2**	#	30	**27.6**	#	19	**37.5**	#
Copper (Cu)	L	32	50.6	192	**46.9**	#	232	**32.2**	#	29	**23.9**	#	10	**80.4**	#
Iron (Fe)	L	12,000	34,311	59	**36,908**	#	52	**38,301**	#	5	**30,082**	#	3	**13,674**	#
Lead (Pb)	CL	21	38.9	196	**26.2**	#	267	**42.9**	#	29	**15.2**	#	11	**34.1**	#
Lithium (Li)	L	9.8	37.9	32	**40.4**	#	25	**39**	#	4	**16.9**	#	9	**36**	#
Magnesium (Mg)	L	NA	36,049	20	**93,692**	#	15	**170,203**	#	1	**--**	**--**	0	--	--
Manganese (Mn)	L	440	1,212	53	**935**	#	65	**661**	#	6	**605**	#	9	**758**	#
Mercury (Hg)	Np	0.13	0.5	168	#	**0.58**	164	#	**0.5**	20	#	**0.7**	10	#	**0.61**
Molybdenum (Mo)	Np	NA	5	14	#	**5**	27	#	**5**	4	#	**<3.0**	6	#	**<3.0**
Nickel (Ni)	V	20	55.2	140	**43.4**	#	126	**36**	#	9	**42.1**	#	9	**30.6**	#
Selenium (Se)	V	0.41	1.3	189	**1.2**	#	169	**1.1**	#	27	**1.5**	#	10	**0.67**	#
Silver (Ag)	Np	1	1.4	139	#	**6**	148	#	**1**	23	#	**0.5**	1	--	--
Sodium (Na)	V	NA	519	10	**594**	#	14	**351**	#	1	**--**	**--**	0	--	--
Strontium (Sr)	Np	NA	150	6	#	**150**	1	**--**	**--**	2	**--**	**--**	6	#	**150**
Thallium (Tl)	Np	NA	2.7	39	#	**1.7**	33	#	**<1.5**	3	#	**<0.50**	0	--	--
Titanium (Ti)	N	MNL	208	1	**--**	**--**	8	**255**	#	0	**--**	**--**	0	--	--
Vanadium (V)	L	NA	59.6	28	**95.1**	#	33	**48.7**	#	5	**110**	#	6	**129**	#
Zinc (Zn)	L	47	118	218	**102**	#	212	**91.9**	#	29	**68.3**	#	10	**204**	#

All data in mg/kg (ppm)

Dist.	Distribution of data
L	Lognormal distribution
N	Normal distribution
CL	Censored lognormal distribution
Np	Nonparametric distribution
V	Various distributions

n	Number of samples
SD	Arithmetic or geometric standard deviation, not applicable for nonparametric.
NA	Not Applicable (no value listed in Part 201)
MNL	Metal not listed in Part 201 Criteria
--	No value calculated due to too few samples/detections
#	Not appropriate calculation method
	Less than Table 1 Upper Range Value

2005 MBSS
Updated 2015

Appendix E

APPLICATION OF SOIL BACKGROUND IN FILL

2005 Michigan Background Soil Survey UPDATED 2015

APPENDIX E - Soil Background and Use of the 2005 Michigan Background Soil Survey

APPLICATION OF SOIL BACKGROUND FOR FILL MATERIAL

For this document, the following terms are defined:

Definitions:

Background concentration: Concentration or level of a hazardous substance that exists in the environment at or regionally proximate to a facility that is not attributable to any release (Section 20101(1)(e)).

Environmental contamination: Release of a hazardous substance, or the potential release of a discarded hazardous substance, in a quantity which is or may become injurious to the environment or to the public health, safety, or welfare (Section 20101(1)(p)).

Glacial lobe: Geographic area defined by characteristic glacial deposition of soil and rock by fingers or lobes of ice as the glacier advanced and retreated.

Natural fill: Fill that is entirely comprised of soil that is unaltered by human activity from when it was originally generated by natural processes and is not associated with a release.

- **Native fill:** Natural fill from the same glacial lobe area based on the glacial lobe areas depicted in the Michigan Background Soil Survey.
- **Non-native fill**: Natural fill from a different glacial lobe area based on the glacial lobe areas depicted in the Michigan Background Soil Survey.

Non-natural fill: Fill that is comprised of a mixture of soil and waste materials, e.g., coal, clinkers, slag, cement kiln dust, foundry sand, stamp sands, fly ash, etc.

Soil: An unconsolidated mixture of weathered rock, such as, sand, silt, clay, etc. that may contain organic matter, and is produced through natural processes.

TAPS Team: Technical Assistance and Program Support Team that provides technical advice based on subject area technical experience and knowledge, and/or guidance, or direction consistent with statute, rule and policy and procedure.

Purpose:

Background concentrations by definition are developed as the level of hazardous substance that exists in the environment[1]. Environment is defined as natural resources that includes land (soils) and groundwater[2]. The generic criteria, as referenced in the criteria tables, are

[1] Sec.20101(1)(e)
[2] Sec. 20101(1)(o)

developed for soil or groundwater[3]. The generic soil criteria include soil chemical and physical properties in their development. The provisions for developing generic cleanup criteria states that if the background concentration for a hazardous substance is greater than the generic cleanup criterion, the background concentration becomes the criterion[4].

Natural fill consists entirely of soil. Non-natural fill material contains soil (derived locally or brought onsite) and waste (e.g., coal ash, foundry sands, dredged spoils, and construction debris). The application of background to natural and non-natural fill materials may be acceptable when the fill material is soil, or it can be demonstrated that the mixture of soil and waste does not alter the soil properties used to develop criteria. EGLE has the ability to make a determination whether the presence of waste in soil represents "environmental contamination". EGLE may determine if the presence of waste in soil is not injurious to the environment or to the public health, safety, or welfare. This requires an official EGLE determination that the quantity and characteristics of waste in the soil would not likely affect soil properties and allow background concentrations to apply. If the waste in the soil is determined to represent environmental contamination and likely to affect soil properties, then soil background concentrations cannot apply.

This document details a process to determine whether soil background may replace generic or site-specific criteria if background concentrations exceed criteria in fill material. An EGLE site-specific determination through the TAPS Team is required to allow the use of soil background concentrations for a non-natural fill on a specific property. The information necessary for an EGLE determination and the review process is included in this document.

Statute and References:

Background concentration is defined in Section 20101(1)(e) of Part 201 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), as the concentration or level of a hazardous substance that exists in the environment at or regionally proximate to a facility that is not attributable to any release at or regionally proximate to the facility. All of the background concentrations in the Statewide Default Background Levels and the Michigan Background Soil Survey are based on naturally occurring concentrations, and do not represent anthropogenic concentrations. Section 20120a(10) states "If the . . . background concentration for a hazardous substance is greater than a cleanup criterion developed for a category pursuant to subsection (1), the criterion is the . . . background concentration, whichever is larger, for that hazardous substance in that category." This means that the background concentrations become criteria when the criteria are less than the background concentrations. Because the background concentration definition defines background as concentrations not attributable to any release, only naturally occurring background concentrations can become criteria.

[3] R 299.46-49 or Rules 46 -49

[4] Sec. 20120a(10)

APPENDIX E - Soil Background and Use of the 2005 Michigan Background Soil Survey

Natural Fill:

Natural fill is fill that is entirely comprised of soil that is unaltered by human activity from when it was originally deposited by natural processes and is not associated with a release. Natural fill can be native, indicating its origin is in the same glacial lobe area as its current location. The glacial lobe areas in Michigan are depicted in the Michigan Background Soil Survey. An example of native fill would be soil moved from an uncontaminated sand pit in Owosso, Michigan to a property in Ionia, Michigan, both cities being located within the Saginaw Glacial Lobe. Non-native fill is natural fill moved from one glacial lobe area into another glacial lobe area. An example of non-native fill would be natural fill moved from Caseville, Michigan, which is in the Saginaw Lobe, and placed on a property in Muskegon, Michigan, which is located in the Michigan Glacial Lobe.

Section 20101(1)(e) allows four different methods to determine background concentrations. Method (i) is the Statewide Default Background Levels (SDBLs) that are included with the table of Part 201 Generic Cleanup Criteria and Part 213 Risk Based Screening Levels. The SDBLs are applicable to native and non-native natural fill and can be used for any soil type for the entire state.

Method (ii) is the use of the Michigan Background Soil Survey (MBSS). The background concentrations listed in both the 2005 MBSS and the MBSS Updated 2015 are broken down by glacial lobe area and by soil type. The background concentrations from the MBSS can be utilized for native and non-native natural fill based on the glacial lobe placement location of the fill. For example, if natural fill from the Saginaw Glacial Lobe was placed on a property in the Michigan Glacial Lobe, the background concentrations from the Michigan Glacial Lobe would apply to the fill. While the origin glacial lobe location of the natural fill is not necessary to utilize the MBSS, additional investigation may be necessary to confirm the soil is natural fill and not contaminated.

Method (iii) allows the use of a background concentration listed in a study or survey conducted or approved by the department. Up to the date of this document, a study or survey under Method (iii) has not been approved.

Method (iv) are background concentrations from a site-specific demonstration. EGLE approval is required for the use of naturally occurring background concentrations established under Method (iv) in accordance with Section 20120b(2). A site-specific background concentration established for a native soil that originated at that property, can be used for natural fill located at the same property and is the same soil type upon EGLE approval. For example, both sand and clay were brought to a property as natural fill. A site-specific background was established for the property using the native soil that originated at the property, which is sand. The site-specific background could be applied to the natural fill that is sand, if the site-specific background is higher than criteria. However, this site-specific background could not apply to the natural fill that was clay. It is important to note that a site-specific background concentration is approved to use only at the

origin property. A site-specific background concentration established for native soil on the origin property cannot be used for soil that was moved from the origin property to another location. For example, a site-specific background concentration was established and approved for a native soil on a property in Muskegon (origin property). This native soil from Muskegon was then moved to another property to be used as fill material at a property in Benton Harbor. The site-specific background concentration only applies to the origin property in Muskegon, not to the location the soil was used as fill in Benton Harbor.

Non-natural Fill:

Non-natural fill is fill that is comprised of soil and any amount of waste, like coal, coal ash, clinkers, slag, cement kiln dust, foundry sand, fly ash, stamp sands, etc. Waste in soil can fundamentally alter soil properties like soil texture and soil chemistry that are used in developing criteria. By altering the texture of soil with wastes, such as slag or foundry sand, the naturally occurring metal concentration can be altered by changing how much metals are weathering and leaching out of the soil mixture. Additionally, Part 201 criteria are based on specific soil properties (e.g., adherence, absorption, etc.) and these properties can be changed by the addition of waste. Certain types of waste can alter the pH, such as cement kiln dust, allowing some naturally occurring metals, such as lead, to leach in alkaline conditions. There are methods to differentiate naturally occurring metals from metals related to the waste material (e.g., bioavailability, chromium speciation) that may be conducted.

In using a naturally occurring background concentration, it is assumed there is a certain amount of metal concentration that relates entirely to natural conditions. However, the assumption for how much of the metal contaminant in the soil is from naturally occurring concentrations can no longer be true when soil properties have been altered by waste. It is not appropriate to use the naturally occurring background concentrations to replace generic or site-specific criteria for facilities where waste has altered the soil properties.

Non-natural fill material may fall under the provisions outlined in Part 115, Solid Waste Management of NREPA. If fill material is entirely composed of Solid Waste as defined in Section 11506(1), soil background concentrations cannot apply to the fill. Solid Waste is defined as garbage, rubbish, ashes, incinerator ash, incinerator residue, street sweepings, municipal and industrial sludges, solid commercial waste, solid industrial waste, and animal waste. Further information, including exemptions from Solid Waste, can be found in Section 11506 of NREPA or by consulting with Materials Management Division (MMD) staff in the EGLE District office representing the location of the site. If there is written approval from EGLE's MMD under Section 11553 that is specifically for the fill material from a particular location that has been categorized as beneficial use by-product or inert material, further evaluation whether soil background concentrations can apply to the fill by the RRD is not necessary.

It is also prudent to determine if the site in question is a Hazardous Waste Treatment, Storage, or Disposal facility, where compliance with all Part 201 obligations may not address all

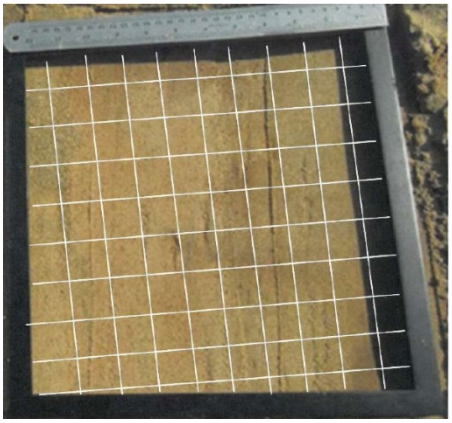
environmental obligations at the site. Please see this map to see if your site is within one mile of a Hazardous Waste Treatment, Storage, or Disposal facility. If your site is within one mile of a Hazardous Waste Treatment, Storage, or Disposal facility, please consult with the MMD's Hazardous Waste Section for further information.

Submittal Contents for Determination of Use of Background for Non-natural Fill:

A person may request an EGLE determination to allow the use of soil background concentrations for a non-natural fill on a specific property only if there 10% or less waste present. **The full extent of the fill area(s) must be adequately characterized, including soil type, fill thickness and depth.** If eligible, the following information, as applicable, should be supplied to EGLE RRD in the district where the property with the non-natural fill is located in for review. If the non-natural fill contains less than 10% waste by weight or volume, after review of all factors listed and it is determined that the presence of the waste is not injurious to public health, safety, welfare and the environment, EGLE staff consistent with this process may determine that background concentrations may apply for the non-natural fill. A cover letter with the request for EGLE to determine whether background concentrations can apply to a non-natural fill must be included with each submittal. Timeframes for review should take all steps into consideration along with statutory deadlines, such as if this request was submitted with a No Further Action Report.

- **Property Information** - Facility or Site Name and ID for the property where the non-natural fill is located. Also include property address and proposed activities on the property.
- **Current and proposed land use** – Describe the current and proposed land use of the property where the non-natural fill is located.
- **Location and amount of non-natural fill material** – Provide site figures, boring logs and photographs to show where in the soil column the non-natural fill material is located and the horizontal and vertical extent of the fill material. Provide an estimate in cubic yards of the amount of non-natural fill material on the property.
- **Type(s) of waste** – Describe the type(s) of waste included in the non-natural fill (e.g. coal, clinkers, slag, CKD, foundry sand, fly ash, demolition debris, etc.). Please provide digital photographs or video of the non-natural fill in-situ with enough detail to show grain size, color, and waste type.

- **Quantity of waste** – Determine the percentage of waste in the non-natural fill. If the non-natural fill contains greater than 10% waste by volume or by dry weight, the non-natural fill is considered to be waste, soil background will not apply, and must be addressed instead with provisions under Part 115 or Part 111. Determinations of the quantity of waste may be made by weight if the waste is large enough in size to be manually segregated from the fill. The ASTM D6913/D6913M-17 Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis testing method may be used for this analysis with the modification of obtaining the weight of the segregated waste. If the waste within the fill cannot be manually segregated, a visual method may be utilized. To assure the method will be acceptable, please contact the RRD state project manager for the area of the property of interest to discuss the proposed method. If the waste cannot be manually segregated from the soil matrix and the waste is visually indistinguishable from the soil matrix, soil background will not apply, and must be addressed instead with provisions under Part 115 or Part 111.



- **Source of non-natural fill** – Describe the source of the non-natural fill, if known. Include the property address, property owner information, and glacial lobe of both the waste and soil matrix. Provide the historic usage of the waste and non-natural fill source property and purpose it was placed on the current property.
- **Contaminants in non-natural fill** – Provide analytical results of the non-natural fill material compared to Generic Cleanup Criteria or Risk-Based Screening Levels. Describe the sampling protocol used to collect the samples and provide the laboratory analytical report with chain of custody. The samples will be analyzed at a minimum for Michigan Ten Metals (arsenic, barium, cadmium, total chromium (combined hexavalent and trivalent), copper, mercury, selenium, silver, and zinc. Additional metals may need to be added for analysis depending on the waste type. For example, if there is cement kiln dust mixed with the soil, the non-natural fill should also be analyzed for molybdenum, thallium and vanadium. Contact the RRD Project Manager if there are questions regarding appropriate analysis for a waste type. There also should be a representative number of samples analyzed for pH. Overall, there should be sufficient number of soil samples to adequately characterize the vertical and horizontal extent of non-natural fill that is located on the property.
- **Leaching potential** - Conduct leachate testing using Synthetic Precipitation Leaching Procedure (SPLP) on the non-natural fill material sample with the highest metals

concentration to determine the likelihood of metals contamination leaching from the non-natural fill and potentially entering groundwater or surface water. An analysis of the samples of the same non-natural fill that is leach tested must be conducted to determine concentrations of the metals in the non-natural fill prior to leaching. A separate non-natural fill sample cannot be subsequently collected after leaching is conducted and used to determine concentrations of metals. The laboratory data for the total metal concentrations in the non-natural fill needs to be provided with the laboratory data for concentrations leached from the non-natural fill.

Mercury, Non-Natural Fill and the Volatilization to Indoor Air Pathway (VIAP)

There is an additional process that can support the use of soil background concentrations to replace **mercury**[5] VIAP screening levels or site specific criteria in non-natural fill. For the VIAP, the key soil properties and characteristics that affect how the fill materials differ from soil for generic exposure assumptions are different from other pathways. The extent to which the media (e.g., fill materials) allows vapors to migrate through it is mainly dependent on particle or grain size, not other soil characteristics that would differ between native soils and common industrial fill materials. Therefore, where there is no other indication of a potential mercury release in fill materials, the statewide default background level or MBSS glacial lobe area sand background concentration may replace the mercury VIAP screening levels or site specific criteria when:

1. The non-natural fill material is not garbage, rubbish, street cleanings, municipal and industrial sludges, solid commercial waste, solid industrial waste, or animal waste as included in the solid waste definition of Part 115, but may include other common non-natural fill materials as defined by this document.
2. There has been a grain size analysis using a US Standard Sieve No 10, and 85% of the material (non-natural fill and/or soils) passes through the sieve.

This is a site-specific evaluation that would require department approval. A submittal for department approval should contain information regarding the location and amount of non-natural waste including the locations where samples were conducted as part of this process, confirmation that the waste contains defined non-natural materials, and documentation that the results of the grain size analysis resulted in 85% of the material passing through the sieve.

[5] Mercury is both naturally occurring and a volatile under Part 201 and Part 213 allowing the use of a background concentration for the VIAP.

APPENDIX E - Soil Background and Use of the 2005 Michigan Background Soil Survey

Frequently Asked Questions (FAQs):

The following are common questions asked about the use of soil background concentrations from Methods (i) through (iv) to replace criteria for fill material:

1. Is extra soil from construction work considered "fill"?
   Soil brought on to a property for construction is typically a sand backfill material, extracted from a local "sand and gravel pit". While some pits have been used to illegally dispose of waste, some pits are a source of uncontaminated fill material that could be considered natural fill. Extra soil that was removed from a property to accommodate construction could also be considered natural fill, if the soil was unaltered other than its removal from the ground and there has been no release at the property. Documentation of the source of the natural fill needs to be obtained for verification to ensure that it is not non-natural fill.

2. If there is non-natural fill that has metals concentration less than the soil background concentration, but greater than criteria, is cleanup required?
   This document provides a method for a person to request that soil background be applied to a particular non-natural fill material on a property. Without authorization from EGLE, soil background concentrations cannot replace criteria for non-natural fill. The necessity of remedial action for relevant pathways and exceedances of applicable criteria and/or response action to address an unacceptable exposure for a complete pathway will depend on the results of the site characterization.

3. Can you apply SDBLs or MBSS background concentrations for natural fill when the source of the natural fill is unknown? If so, what glacial lobe for the MBSS would you use if geographical source is unknown?
   Both the SDBLs and the MBSS background concentration can apply to natural fill from an unknown source. However, additional investigation may need to be conducted to confirm it is natural fill and does not contain waste or contaminants indicative of a release not associated with contaminants in the native soil on the property. The MBSS background concentration that can apply in this situation must be based on the glacial lobe(s) the natural fill is currently located in and the soil type of the natural fill.

4. What if the fill is MDOT Class II sand from a local source or a source within Michigan?
   In most cases, sand from a local sand and gravel pit can be considered natural fill and documentation of the source can be readily obtained. An exception would be if the pit

had been used for illegal disposal, causing a release. Commonly, the backfill material for large construction projects must be analyzed for both grain size and contaminants prior to the fill being brought onsite for this reason.

5. If natural fill (e.g. clay) excavated from the Huron-Erie lobe exceeds the MBSS background concentration for arsenic for that lobe, can it be moved within that lobe without creating a release?
   Section 20120a(10) states that a background concentration for a hazardous substance, if greater than a cleanup criterion, becomes the criterion for the hazardous substance. Using the MBSS, updated 2015, the arsenic background concentration for clay in the Huron-Erie lobe is 22,800 ug/kg. This concentration exceeds the arsenic Part 201 residential criteria for drinking water protection, groundwater surface water interface protection and direct contact, thus becomes the criteria. Using that information, if the arsenic concentration in the clay soil being excavated exceeds 22,800 ug/kg, then it exceeds all of the listed criteria, and the property is a Part 201 facility. Any relocation of this soil in any glacial lobe area, must comply with Section 20120c(1) or 21304b, relocation of contaminated soil, to avoid creating a new facility. Pursuant to Sections 20120c(1) or 21304b, contaminated soil shall not be relocated to a location that is not a facility or site.

6. For natural fill that is clay with concentrations of arsenic as high as 12,000 ug/kg, could that clay be used as fill at a property within the Saginaw Glacial Lobe? Within the Michigan Glacial Lobe?
   See the chart below. With the maximum MBSS background concentration for arsenic in clay soil in the Saginaw Glacial Lobe at 17,900 ug/kg exceeding the residential drinking water protection criteria, the groundwater surface water protection criteria and the residential direct contact criteria, the background concentration becomes all three of the criteria. The site concentration at 12,000 ug/kg does not exceed these criteria, thus as long as the concentrations of the arsenic in the natural fill was not related to any release or anthropogenic sources, the clay could be used as natural fill on properties within the Saginaw Glacial Lobe without creating a Part 201 facility.

   For properties in the Michigan Glacial Lobe, the maximum MBSS background concentration for arsenic in clay soil is 8,700 ug/kg, which still exceeds all three of the previously mentioned criteria and becomes the criteria. However, the clay from the Saginaw Glacial Lobe could NOT be used as natural fill on properties within the Michigan

APPENDIX E - Soil Background and Use of the 2005 Michigan Background Soil Survey

Glacial Lobe without creating a new facility, as the arsenic concentration at 12,000 ug/kg exceeds criteria at 8,700 ug/kg.

UNITS ug/kg	MBSS Background Concentration - Clay, Saginaw Lobe		MBSS Background Concentration - Clay, Michigan Lobe		Residential Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Residential Direct Contact Criteria
	2015	2005	2015	2005			
Arsenic	17,100	17,900	8,700	6,950	4,600	4,600	7,600