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Appendix R
2025 Southern Portion IDR

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21 March 2025

Ms. Kaleigh Zappia
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

Subject: **Third Revision – Addendum #2 to the Soil and Groundwater Investigation Work Plan – EHS Building Area (Southern Portion) Interim Data Report**
Former Sperry Remington Site – North Portion 2 (#c808022)
777 South Main Street, City of Elmira, Chemung County, New York

Dear Ms. Zappia:

On behalf of Unisys Corporation (Unisys), Geosyntec Consultants, Inc., and its New York engineering affiliate, B&B Engineers & Geologists of New York, P.C. (collectively, Geosyntec) are submitting this Soil Sampling Interim Data Report (IDR) for the Southern Portion of the Former Sperry Remington Site – North Portion 2 (Site #c808022) (Site) in Elmira, New York. The Site is located at the Elmira High School (EHS) property, 777 South Main Street in Elmira, New York (**Figure 1**). The Southern Portion of the Site is adjacent to Former Sperry Remington Site (Site #p808043), which is to the southeast and is itself subject to a separate remedial investigation. Similarly, the Former Scott Technologies Site (Site #p808049) is adjacent to the Southern Portion of the Site to the south and is subject to a separate site characterization.

This IDR provides the results of the investigations detailed in Addendum #4, #5, and #6 as indicated below. Data collection was performed in accordance with the 2021 Soil and Groundwater Investigation Work Plan and addendums. A summary of previous addendums is provided below.

Work Plan	Submittal	Approval
Soil and Groundwater Investigation Work Plan	19 May 2021	26 May 2021
Addendum #2 to the Soil and Groundwater Investigation Work Plan – EHS Building Area (Southern Portion)	19 January 2023	24 January 2023
Addendum #4 to the Soil and Groundwater Investigation Work Plan – EHS Building Area (Southern Portion)	26 July 2024	9 August 2024
Addendum #4 Amendment to the Soil and Groundwater Investigation Work Plan – EHS Building Area (Southern Portion)	12 August 2024	15 August 2024

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Work Plan	Submittal	Approval
Addendum #5 to the Soil and Groundwater Investigation Work Plan – EHS Building Area (East of Gymnasium and Southern Portion)	27 August 2024	4 September 2024
Addendum #6 to the Soil and Groundwater Investigation Work Plan – EHS Building Area (Southern Portion)	22 November 2024	6 December 2024

The Southern Portion of the Site extends from the southeast corner of the EHS property to its southwest corner, encompassing EHS' southern parking lot, the area between the EHS building and the southern property line and entrance road, and approximately 300 feet bordering South Main Street (**Figure 1**). Site compounds of potential concern (COPCs) include metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), volatile organic compounds (VOCs), and petroleum hydrocarbon compounds typically composed of diesel range organics (TPH-DRO). This report describes soil sampling activities and analyses to evaluate the nature and extent of COPCs at the Site relative to NYSDEC Restricted Residential Soil Cleanup Objectives (RR SCOs; 6 New York Codes, Rules and Regulations Subpart 375). SCOs are referenced as comparison criteria in this IDR. As described in the Work Plan Addendum #2, this soil sampling report provides soil analytical laboratory reports, tables and maps of the extent of COPCs in soil, and a brief narrative indicating whether the lateral and vertical extent of contamination has been defined.

The work described in this IDR was performed in general accordance with an addendum to the Soil and Groundwater Investigation Work Plan – EHS Building Area submitted to NYSDEC on 19 May 2021 and the NYSDEC's approval as modified limited to the on-Site areas on the Southern Portion of the Site dated 1 July 2021. Those investigation activities were completed over the summer of 2021. Also, the southeastern part of the Southern Portion of the Site was the focus of Interim Remedial Measure #2 (IRM #2), which included pre-excavation delineation as part of IRM #2 Pre-Design Investigation and post-excavation confirmation sampling in select areas. COPCs left in place are documented in the IRM #2 Construction Completion Report (CCR) dated 18 March 2019.

Figures and tables providing soil analytical data collected in the on-Site Southern Portion area were provided in the Work Plan Addendum #2 defining the nature and extent of COPCs. A total of 11 areas were identified where additional definition of lateral or vertical extent was needed on-Site. The work plan provided a sampling and analysis rationale for each sample location and depth based on previously collected data, with the objective of defining the on-Site nature and extent (lateral and vertical) of COPCs reported at concentrations above the comparison criteria. The work plan was implemented in-full, but for certain exceptions as described in this IDR.

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SURFACE ELEVATIONS AND MODIFICATIONS

It was previously assumed that surface elevation for the Southern Portion of the Site was approximately 855 feet above mean sea level (ft amsl). Based on as-built survey information provided by HUNT Engineering, Architects & Surveyors (HUNT Engineering) in September 2023 (restoration grade), surface elevation for the Southern Portion of the Site ranges from 847 to 862 (15-foot difference) ft amsl. In addition, subsequent to IRM #2, surface restoration including the installation of the new asphalt parking occurred, leading to alterations in ground surface elevations. As-built survey information provided by HUNT Engineering in September 2016 depicts the surface elevation prior to IRM #2 (pre-existing grade). A comparison of pre- and post-IRM #2 surface elevation is shown on **Attachment A**. Topographic survey as-builts from September 2023 are included as **Attachment B**.

Given the topographic relief across the Southern Portion of the Site and surface elevation alterations, figures have been revised from the original report submittal to depict data based on elevation in lieu of depth below ground surface. Data depiction on an elevation basis provides a comprehensive summary of where in-situ data remains based on current elevation and allows for accurate lateral delineation assessment of subsurface soils at locations with varying surface elevations. This information was used to help further determine where areas have been delineated or where further delineation is needed and discussed in detail below. In order to evaluate soil quality in shallow soil, separate figures are provided that depict data collected from the uppermost two feet below ground surface across the investigation area (regardless of ground elevation). For completeness, this report also provides historical soil analytical data and discussion of the lateral and vertical extent of COPCs.

IRM #2 REMEDIAL ACTIONS

A CCR for IRM #2 summarizing remedial actions was submitted to DEC in March 2019. Site soils with concentrations of PCBs exceeding 50 milligrams per kilogram (mg/kg) and surface soils exceeding Restricted Residential SCOs were identified within or adjacent to the EHS Rear Parking Lot in which Elmira City School District (ECSD) planned capital improvements in Summer 2018. The Rear Parking Lot area of the Site was remediated in accordance with the Revised Final IRM #2 Work Plan dated 13 July 2018 and incorporated Amendment #1 dated 3 July 2018, Amendment #2 dated 17 July 2018, and Amendment #3 dated 18 January 2019. In coordination with ECSD's capital improvement construction activities, soil removal was conducted at and around the rear parking lot. Excavations were laid out in two-foot intervals to meet the IRM #2 cleanup objectives. Cleanup goals for total PCBs were as follows: 1.0 mg/kg for zero to two feet below ground surface (ft bgs); and 10 mg/kg for two ft bgs and deeper. Soil was excavated to a depth of approximately 16 ft bgs, corresponding to an elevation of approximately 838 ft amsl.

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During excavation, a number of concrete foundations and structures were encountered at depths. Subsurface obstructions encountered during IRM #2 included monolithic objects such as concrete piers, blocks, building walls and foundation slabs. Dimensions of these objects are documented in the CCR. Discussions with the NYSDEC were had regarding the size of the foundations and structures and NYSDEC agreed that it was not practical to remove. The presence of such obstructions precluded sampling at some locations and depth intervals as described in this IDR and precluded the installation of infrastructure to be used to support utilities.

In accordance with the Revised Final IRM #2 Work Plan, it was determined that soil removal was not technically practicable and/or could not be completed safely due to the presence of these foundations/structures. Confirmation samples were collected from on top of and adjacent to concrete structures left in place. Confirmation samples were analyzed for PCBs in accordance with the Site Characterization Work Plan Quality Assurance Project Plan/Field Sampling Plan (QAPP/FSP). Demarcation layers consisting of geotextile fabric and orange netting were placed at the base of excavations where excavation to design limits could not be completed prior to backfilling. Soils that remain in place within IRM #2 are variously below concrete obstructions, utilities, or the result of construction modifications (i.e., additional sloping and benching) due to those obstructions. The depth of excavation directly adjacent to the EHS building was limited to four ft bgs to protect the building foundation.

DATA COLLECTION ACTIVITIES - AUGUST THROUGH DECEMBER 2024

Additional soil borings were proposed in Addendum #4 to further define the nature and extent of COPCs in soil in the Southern Portion of the Site, specifically targeting data gaps identified in the Southern Portion IDR for Addendum #2.

In preparation of work beginning under Addendum #4 Workplan, boring locations were staked by a New York State licensed land surveyor, and a subsurface utility location survey was performed, both on 5 August 2024. During the subsurface utility location survey, proposed samples were noted in close proximity to an underground water line, which services EHS and connects to a fire hydrant on the southern portion of the Service Entrance. Attempts were made by two different utility locater services to locate the extent of the waterline on 5 August and 7 August 2024; however, they were unsuccessful. On 12 August 2024, an amendment to the Addendum #4 Soil and Groundwater Investigation Workplan was submitted to NYSDEC to use a vacuum truck to remove soil down to the suspected depth of the water line. Prior to the investigation activities, a vacuum truck was mobilized and used to remove soil down to the suspected depth of the water line. Once located, successive holes were advanced by vacuum to confirm where the line was located through the area to be sampled.

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Under Addendum #4, 35 soil borings were proposed and approved by NYSDEC. One boring, B5103A, was not able to be completed due to encountering refusal. One boring, B5513, was not able to be completed as the proposed elevation range for sample collection was above surveyed ground surface. Therefore, 33 soil borings were completed. Samples were collected from 857-828 ft amsl from the borings in the Southern Portion of the Site. Samples were analyzed for metals, PCBs, SVOCs, and VOCs.

In the 31 July 2024 Addendum #3 approval letter submitted for the East of Gym area, NYSDEC requested additional delineation of PCBs at B5043. Six soil borings were proposed from 0.17-2 ft bgs in Addendum #5 to further define PCB extent at B5043. Samples from three soil borings at a distance of approximately five feet north, west, and south of B5043 were collected and analyzed for PCBs. A second set of samples were collected approximately 10 feet from B5043 and were held at the laboratory, contingent upon laboratory results from the first step-out samples. Based on reported results, the contingent hold samples collected south and west of B5043 were analyzed, and the contingent hold sample collected north of B5043 cancelled. A total of five samples were analyzed for PCBs.

Based on the results of the Addendum #4 investigation that was completed from 12 August to 15 August 2024, 12 additional soil borings were proposed from 0-12.2 ft bgs to further define PCBs, arsenic, copper, and cadmium extents at the Southern Portion of the Site in Addendum #6. NYSDEC requested additional metals delineation in the vicinity of B65 (840-838 ft amsl) and B537 (838-836 ft amsl) and PCBs in sample B5551 from 2-4 ft bgs to delineate restricted residential (RR) SCO exceedances of PCBs at B3141 and B3142. In December 2024, samples were collected and analyzed for PCBs, arsenic, copper, and cadmium. Deeper samples were also collected and held at the laboratory, contingent upon laboratory results from the initial samples. Based on reported results, the contingent hold samples collected from B5503A, B5512A, B5516A, B5550, B5551, B5224A, B5530A, B5553, and the contingent hold sample collected north of B5043 cancelled.

Table 1 presents the sampling plan for the August and December 2024 sampling. As discussed in the Southern Portion IDR for Addendum #2, due to significant variation in topographic relief across the Southern Portion of the Site, data depiction on an elevation basis provides a method of laterally correlating and assessing soils remaining in place. Therefore, Addendum #4, #5, and #6 results are depicted on an elevation basis. Select sample locations within the two-foot interval below ground surface are depicted on a depth-below-ground-surface (bgs) basis.

Figures 3A-3B show the location of the boring locations included in Addendum #4, #5, and #6. **Figures 4A through 4Q**, **6A through 6P, 8A through 8C,** and **10A through 10C** show the soil boring locations and analytical results for TPH-DRO, SVOCs, and VOCs. **Figures 5A through**

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5P, **7A through 7J, 9A through 9C,** and **11A through 11C** show the soil boring locations and analytical results for per- and polyfluoroalkyl substances (PFAS), metals, and PCBs.

Soil sample collection, handling and analysis was in accordance with the QAPP/FSP for the Site, dated May 2024. The soil borings were advanced using direct-push technology (DPT) drilling equipment and/or a hand auger for shallow sample locations. Soil samples were screened in the field for VOCs using a photoionization detector (PID) and assessed for visual or olfactory evidence of impacts. If PID readings greater than 10 parts per million (ppm) above background were detected in headspace air or if visual and/or olfactory evidence of an impact was observed in a soil sample, analysis of VOCs and SVOCs was performed in addition to the analyses described in the Work Plan addendum.

Attachment C contains logs for the soil borings completed under Work Plan Addendums #4, #5, and #6. **Attachment D** contains laboratory analytical reports. A data usability report will be deferred to the time of the Remedial Investigation report. Soil sampling results from the soil investigation activities are provided in **Tables 2A-2D**. Historical soil data are depicted on extent figures showing depths below the water table and parameters tested as of August 2022, and corresponding soil analytical data summary tables in **Attachment E**.

DEVIATIONS FROM WORK PLAN - AUGUST THROUGH DECEMBER 2024

Overall, the data collection met the objectives of the Work Plan. Minor deviations from the Work Plan due to Site conditions are documented in this section.

Subsurface conditions encountered during the investigation precluded collection of a sample at B5103A at 842-840 ft amsl. Refusal was encountered at B5103A at 10 ft bgs (843.3 ft amsl). In accordance with the work plan dated 26 July 2024, two additional attempts were made at B5103A, with refusal encountered at 10 ft bgs during each reattempt. As reported in the South Portion IDR, refusal was previously encountered at B5103 at 10 ft bgs. B5103A was proposed to vertically delineate metals observed at B5103 844-842 ft amsl.

Three sample intervals proposed in Addendum #4 were unable to be collected, as the proposed elevation range for sample collection was above surveyed ground surface. A summary of these locations is provided below.

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Boring ID	Proposed Sample Depth/Proposed Analysis	Rationale	Surveyed Ground Surface (ft amsl)
B5513	852-850 ft amsl/SVOCs	Lateral delineation of SVOCs south of B3851	849.7
B5516	854-852 ft amsl/PCBs	Lateral delineation of PCBs south of B3142 and B3141	850.0
B5519	854-852 ft amsl/Metals	Lateral delineation of metals west of B3149	850.7

The following samples were observed to have PID readings above 10 ppm. As per the Addendum #4 Work Plan, VOCs, and SVOCs were collected in addition to the proposed analysis at these locations:

- B5502 at 844-842 ft amsl
- B5502 at 840-838 ft amsl
- B5527 at 846-844 ft amsl

Deviations to the Addendum #5 Work Plan were not encountered.

During the Addendum #6 Work Plan, samples were to be collected at location B537A to a depth of 834-832 ft amsl. However, two attempts were made and there was less than 50% recovery. Therefore, the sample could not be collected.

RESULTS – ADDENDUM #4, #5, and #6

Soil quality data collected for Addendums #4, #5, and #6 met the objectives of the approved Work Plan. The results are described by addendum in this section.

COPC concentrations are compared with RR SCOs and Protection of Groundwater (PoG) SCOs as shown on **Tables 2** through **5**. RR SCOs and PoG SCOS are termed comparison criteria hereafter in this report.

For the purposes of this report, total PCBs were calculated as the sum of individual detections of Aroclors, including J-qualified results. Aroclors reported as non-detect (U-qualified) were assigned a value of zero (0). If all individual Aroclors were U-qualified, the total PCB value is shown as being non-detect (ND).

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Figures 4A through **4Q** show the soil boring locations and soil analytical results for TPH-DRO, SVOCs, and VOCs from 862-828 ft amsl in the southeastern portion of the Site. **Figures 5A** through **5P** show the soil boring locations and analytical results for PFAS, metals, and PCBs from 862-830 ft amsl in the southeastern portion of the Site. **Figures 6A** through **6P** show the soil boring locations and analytical results for TPH-DRO, SVOCs, and VOCs from 862-830 ft amsl in the southwestern portion of the Site. **Figures 7A** through **7P** show the soil boring locations and analytical results for PFAS, metals, and PCBs from 862-830 ft amsl in the southwestern portion of the Site. **Figures 8A** through **8C** and **10A** through **10C** show boring locations in soil depths from 0-0.17, 0.17-2, and 2-4 ft bgs for TPH-DRO, SVOCs, and VOCs. **Figures 9A** through **9C** and **11A** through **11C** show boring locations in soil depths from 0-0.17, 0.17-2, and 2-4 ft bgs for PFAS, metals, and PCBs. These figures show the locations of each soil sample location, and whether COPC were reported above or below their respective comparison criteria.

Analytical data packages for the Work Plan Addendum #2 soil investigation, all of which were generated by Eurofins TestAmerica, and presented herein are included in **Attachment D**.

Addendum #4 Results

Addendum #4 focused on closing data gaps where delineation of soils that exceeded to RR SCOs remained following previous soil sampling completed under Addendum #2. These data gaps were located throughout the South Portion of the Site, including along the school entrance road, the bus loop area, and the former Interim Remedial Measure (IRM) #2 area. The sampling and analysis rationale for Addendum #4 was based on this historical data and comparison criteria exceedances as presented on maps and in tables in Addendum #4. Thirty-five soil borings were proposed for investigation as part of Addendum #4, including additional sampling locations requested by NYSDEC as per the 9 August 2024 limited Notice to Proceed letter. An overview of findings of the Addendum #4 investigation by COPC is presented below.

PCBs

Under Addendum #4, a total of 17 samples and two duplicates were collected for PCB analysis. Analytical results are shown on **Table 2A**. PCB exceedances of PoG SCOs for samples collected at or below the water table were not observed. Exceedances of PCBs above RR SCOs (1 milligram per kilogram [mg/kg]) were observed at the following five samples:

- B5509 at 846-844 ft amsl (1.9-3.9 ft bgs): PCBs were reported at 6.84 mg/kg. This sample was proposed to laterally delineate PCBs at B3823 to the west. As shown on **Figure 5I**, B5509 is located in Investigation Area 6. PCBs are delineated to the north by B5082 and to the east by B3824. Delineation of PCBs to the south is supported by off-Site data collected

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on NYSDEC Site #p808049 and reported under separate cover. This location required lateral delineation to the west and was delineated during Addendum #6 activities described below.

- B5509 at 844-842 ft amsl (3.9-5.9 ft bgs): PCBs were reported at 1.72 mg/kg at the duplicate (DUP-02) collected for this sample. PCBs were reported at 1.03 mg/kg in the parent sample. This sample was proposed to laterally delineate PCBs at B3823 to the west. As shown on **Figure 5J**, B5509 is located in Investigation Area 6. PCBs are delineated to the north by B5082 and to the east by B1235. Delineation of PCBs to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. This location required vertical delineation and lateral delineation to the west and was delineated during Addendum #6 activities described below.

- B5512 at 852-850 ft amsl (0.79-2.79 ft bgs): PCBs were reported at 3.6 mg/kg. This sample was proposed to laterally delineate PCBs at B3851 to the south. As shown on **Figure 5F**, B5512 is located east of Investigation Area 7. PCBs are delineated to the north by Building 66 and to the east by B5510 and B5061. This location required vertical and lateral delineation to the south and west and was delineated during Addendum #6 activities described below.

- B5517 at 854-852 ft amsl (0.7-2.7 ft bgs): PCBs were reported at 5 mg/kg. This sample was proposed to laterally delineate PCBs at B3145 to the north. B5517 is located to the north of the school Service Entrance road. PCBs are delineated to the west by B3849 and to the south by B5525 and B21. PCB extent is defined to the north by the high school building. This location required lateral delineation to the east and was delineated during Addendum #6 activities described below. This sample is vertically defined by B5517 at 852-850 ft amsl (2.7-4.7 ft bgs), with PCBs reported at 0.087 mg/kg.

- B5524 at 0.17-2 ft bgs (854.69-852.86 ft amsl): This sample was proposed to laterally delineate PCBs at B3145 to the north. B5524 is located to the north of the school Service Entrance road. PCBs were reported at a concentration of 5.4 mg/kg. This sample required additional vertical delineation and was delineated during Addendum #6 activities described below.

Metals

Under Addendum #4, a total of 38 samples and four duplicates were collected for metals analysis. Analytical results are shown on **Table 2B**. Metals exceedances of PoG SCOs for samples collected

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at or below the water table were not observed. Exceedances above RR SCOs were observed at the following eight samples:

- B5502 at 848-846 ft amsl (2.65-4.65 ft bgs): Arsenic was reported at 46 mg/kg (RR SCO of 16 mg/kg). This sample was proposed to laterally delineate metals at B5124 to the west. B5502 is located west of Investigation Area 2. To the north and west, the lateral extent is defined by the IRM #2 excavation extent. To the south, arsenic is delineated by B5503. To the east, existing soil samples at B5124 and B4151 exceed for arsenic. These exceedances are laterally defined off-Site to the east by B5123. B5502 is vertically defined by B5502 at 844-842 ft amsl (6.65-8.65 ft bgs), with arsenic reported at 7.7 mg/kg. This sample does not require additional delineation.

- B5502 at 846-844 ft amsl (4.65-6.65 ft bgs): Arsenic was reported at 20 mg/kg (RR SCO of 16 mg/kg) in the duplicate sample (DUP-01) collected at this location. Arsenic was reported at 14 mg/kg for the parent sample. This sample was proposed to laterally delineate metals at B5124 to the west. B5502 is located west of Investigation Area 2. To the north and west, the lateral extent is defined by the IRM #2 excavation extent. To the south, B5503 exceeded for arsenic. The B5503 exceedance is delineated to the south by B4151A. To the east, existing soil samples at B5125 and B4151 exceed for arsenic. These exceedances are laterally defined off-Site to the east by B5123. B5502 is vertically defined by B5502 at 844-842 ft amsl (6.65-8.65 ft bgs), with arsenic reported at 7.7 mg/kg. This sample does not require additional delineation.

- B5503 at 846-844 ft amsl (4.20-6.20 ft bgs): Arsenic was reported at 41 mg/kg (RR SCO of 16 mg/kg); barium was reported at 490 mg/kg (RR SCO of 400 mg/kg); lead was reported at 640 mg/kg (RR SCO of 400 mg/kg); and mercury was reported at 2.1 mg/kg (RR SCO of 0.81 mg/kg). This sample was proposed to laterally delineate metals west of B520 and B5052. B5503 is located south of Investigation Area 2. To the west, the lateral extent is defined by the IRM #2 excavation extent. To the south, metals are delineated by B4154A. To the north, B5502 laterally defines the extent of barium, lead, and mercury but exceeded the RR SCO for arsenic. This arsenic exceedance is laterally defined to the north by the IRM #2 excavation extent. To the east, existing soil samples at B5049, B520, and B5052 are below the RR SCO for arsenic, lead, and mercury and define the lateral extent. B5049 and B5052 exceed the RR SCO for barium. The lateral extent off-Site to the east will be evaluated as part of the Norfolk Southern investigation. This sample required vertical delineation and was delineated during Addendum #6 activities described below.

- B5503 at 844-842 ft amsl (6.20-8.20 ft bgs): Arsenic was reported at 18 mg/kg (RR SCO of 16 mg/kg). Barium, lead, and mercury were reported below RR SCOs, vertically defining

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exceedances observed in B5503 at 846-844 ft amsl. This sample was proposed to laterally delineate metals west of B5052. B5503 is located south of Investigation Area 2. To the west, this exceedance is laterally defined by the IRM #2 excavation extent. To the north, the lateral extent is defined by B5502 and B882. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. To the east, B5052 and B520 are below the RR SCO for arsenic and define the lateral extent. This sample required vertical delineation and was delineated during Addendum #6 activities described below.

- B5509 at 844-842 ft amsl (3.9-5.9 ft bgs): Arsenic was reported at 18 mg/kg (RR SCO of 16 mg/kg). This sample was proposed to laterally delineate metals at B3823 to the west. B5509 is located in Investigation Area 6. Arsenic is delineated by B5082 to the north and B3824 to the east. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. B5509 is vertically defined by B5509 at 842-840 ft amsl (5.90-7.90 ft bgs), with arsenic reported at 12 mg/kg. This sample required lateral delineation to the west and was delineated during Addendum #6 activities described below.

- B5516 at 850-848 ft amsl (0-1.97 ft bgs): Arsenic was reported at 17 mg/kg (RR SCO of 16 mg/kg). This sample was proposed to laterally delineate metals at B5121 to the west. B5516 is located to the south of the school Service Entrance road. Arsenic is delineated to the north by B3142 and to the east by B5119. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. This sample required lateral delineation to the west and vertical delineation and was delineated during Addendum #6 activities described below.

- B5516 at 848-846 ft amsl (1.97-3.97 ft bgs): Arsenic was reported at 20 mg/kg (RR SCO of 16 mg/kg) and copper was reported at 5,500 mg/kg (RR SCO of 270 mg/kg). This sample was proposed to laterally delineate metals at B5121 to the west. B5516 is located to the south of the school entrance road. Arsenic is delineated to the north by B3142 and to the east by B3137. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. This sample required lateral delineation to the west and vertical delineation and was delineated during Addendum #6 activities described below.

- B5527 846-844 ft amsl (6.76-8.76 ft bgs): Manganese was reported at 2,900 mg/kg (RR SCO of 2,000 mg/kg). This sample was proposed to laterally delineate metals at B5103 to the south/southeast. B5527 is located in the northwest portion of the rear parking lot. Manganese is delineated to the north by B5103, to the east by GS3-4 and EN3-4, and to the

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west by B5104. To the south, this exceedance is laterally defined by the IRM #2 excavation extent. B5527 is vertically defined by B5527 at 844-842 ft amsl (8.76-10.76 ft bgs), with manganese reported at 300 mg/kg. This sample does not require additional delineation.

- B5530 at 0.17-2 ft bgs (849.53-847.70 ft amsl): Arsenic was reported at 19 mg/kg (RR SCO of 16 mg/kg) and cadmium was reported at 4.5 mg/kg (RR SCO of 4.3 mg/kg). This sample was proposed to laterally delineate metals at B5121 to the south. B5530 is located to the south of the school Service Entrance road. Arsenic is delineated to the north by B3142 and Building 66 and to the east by B5519. To the west, B5516 exceeds for arsenic and requires lateral delineation. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. This location required vertical delineation and was delineated during Addendum #6 activities described below.

SVOCs

Under Addendum #4, a total of nine samples and two duplicates were collected for SVOC analysis. Analytical results are shown on **Table 2C**. SVOCs did not exceed the RR or PoG SCOs. Therefore, additional SVOC delineation is not required.

VOCs

Under Addendum #4, a total of three samples and one duplicate were collected for VOC analysis. Analytical results are shown on **Table 2D**. VOCs did not exceed the RR or PoG SCOs. Therefore, additional VOC delineation is not required.

Addendum #5 Results

Addendum #5 focused on delineation of PCBs detected at B5043 at a depth of 0.17-2 ft bgs. B5043 is located to the east of the high school building. The sampling and analysis rationale for Addendum #5 was based on this historical data and comparison criteria exceedances as presented in maps and tables in Addendum #4. Six soil borings were proposed for investigation as part of Addendum #5. An overview of findings of the Addendum #5 investigation is presented below.

PCBs

Under Addendum #5, six samples and one duplicate were collected for PCB analysis. Three samples were initially analyzed and three samples placed on hold. Hold samples were evaluated and relinquished or cancelled contingent upon reported exceedances. Two contingent lateral hold

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samples were analyzed. Exceedances of PCBs above RR SCOs (1 mg/kg) were observed at the following two sample locations:

- B5542 at 0.17-2 ft bgs (853.9-852.1 ft amsl): PCBs were reported at 1.98 mg/kg. This sample was proposed to laterally delineate PCBs at B5043 to the south. PCBs are delineated to the north by B5540 and to the south by B299, B5044, and B524. PCB extent is defined to the west by the high school building. To the east, existing PCB exceedances at B4215, B4215A, and B899 extend to the Site boundary. The lateral extent off-Site to the east will be evaluated as part of the Norfolk Southern investigation. This sample does not require additional delineation.

- B5545 at 0.17-2 ft bgs (853.7- 851.9 ft amsl): PCBs were reported at 5.97 mg/kg at the duplicate (DUP1) collected for this sample. PCBs were reported at 3.43 mg/kg in the parent sample. This sample was proposed to laterally delineate PCBs at B5043 to the south. PCBs are delineated to the north by B5540 and to the south by B299, B5044, and B524. PCB extent is defined to the west by the high school building. To the east, existing PCB exceedances at B4215, B4215A, and B899 extend to the Site boundary. The lateral extent off-Site to the east will be evaluated as part of the Norfolk Southern investigation. This sample does not require additional delineation.

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Addendum #6 Results

Addendum #6 focused on closing data gaps that remained following previous soil sampling completed under Addendums #2, #4, and #5. These data gaps were located throughout the South Portion of the Site, including along the school entrance road, the bus loop area, and the former Interim Remedial Measure (IRM) #2 area. The sampling and analysis rationale for Addendum #6 was based on this historical data and comparison criteria exceedances as presented on maps and in tables in Addendum #4 and #5. Fourteen soil borings were advanced as part of Addendum #6, including additional sampling locations requested by NYSDEC as per the 6 December 2024 limited Notice to Proceed letter. An overview of findings of the Addendum #6 investigation by COPC is presented below.

PCBs

Under Addendum #6, a total of 18 samples and three duplicates were collected for PCB analysis. Analytical results are shown on **Table 2A**. PCB exceedances of PoG SCOs for samples collected at or below the water table were not observed. An overview of findings of the Addendum #6 investigation is presented below.

- B5509A at 842-840 ft amsl (5.95-7.95 ft bgs): This sample was proposed to vertically delineate PCBs at B5509 that is located in Investigation Area 6. PCBs were reported in this location at concentrations ranging from 1.03 mg/kg to 6.84 mg/kg at depths between 846-844 to 842-844 ft amsl (1.91-3.91 and 3.91-5.91 ft bgs). The concentration of PCBs in sample B5509A 842-840 ft amsl (5.95-7.95 ft bgs) was 0.499 mg/kg. This sample is therefore vertically defined and does not require additional delineation.

- B5512A at 848-846 ft amsl (4.73-6.73 ft bgs): This sample was proposed to vertically delineate PCBs at B5512. B5512A is located east of Investigation Area 7. PCBs were reported in B5512 at a concentration of 3.6 mg/kg at a depth of s between 852-850 (0.797-2.797 ft bgs). The concentration of PCBs in sample B5512A 850-848 ft amsl (2.73-4.73 ft bgs) was 1.47 mg/kg and the concentration in sample B5512A 848-846 ft amsl (4.73-6.73 ft bgs) was ND. This sample is therefore vertically defined and does not require additional delineation.

- B5524A at 2-4 ft bgs (852.87-850.87 ft asml): This sample was proposed to vertically delineate PCBs at B5524. PCBs were reported in B5524 at 0.17-2 ft bgs at a concentration of 5.4 mg/kg at a depth of 0.17-2 ft bgs. The concentration of PCBs in sample B5524A from 2-4 ft bgs) was 0.109 mg/kg. This sample is therefore vertically defined and does not require additional delineation.

- B5550 at 840-838 ft amsl (9.24-11.24 ft bgs): This sample was proposed to vertically delineate PCBs at B5500. PCBs were reported in this location at concentrations ranging from 1.17 mg/kg to 1.61 mg/kg at depths between 848-846 to 842-840 ft amsl (1.24-3.24 and 7.24-9.24 ft bgs). The concentration of PCBs in sample B5550 840-838 ft amsl (9.24-11.24 ft bgs) was 0.74 mg/kg. This sample is therefore vertically defined and does not require additional delineation.

- B5551 at 848-846 ft amsl (1.77-3.77 ft bgs): This sample was proposed to laterally define metals south of B3142 and B3141. In addition to metals, PCBs were also analyzed. Concentrations of PCBs in B5551 at 848-746 ft amsl (1.77-3.77 ft bgs) were 0.034 mg/kg. Based on the PCB concentrations, additional delineation is not required.

- B5552 at 852-850 ft amsl (2.47-4.47 ft bgs): This sample was proposed to laterally define PCBs at B5517 to the east, which was advanced to laterally delineate PCBs at B3145 to the north. B5517 is vertically defined by B5517 at 852-850 ft amsl (2.7-4.7 ft bgs), with PCBs reported at 0.087 mg/kg. PCBs were reported at 5 mg/kg in B5517. B5517 is located to the north of the school Service Entrance road. PCBs are delineated to the west by B3849 and to the south by B5525 and B21. PCB extent is defined to the north by the high school

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building. B5552 is east of B5517. Concentrations of PCBs in B5552 at 852-850 ft amsl (2.47-4.47 ft bgs) were 0.116 mg/kg. B5517 is therefore vertically defined to the east by B5552, and additional delineation is not required.

- B5553 at 0.17-2 ft bgs: This sample was proposed to laterally define PCBs at B5524 (located to the north of the school Service Entrance road) to the west, which was advanced to laterally delineate PCBs at B3145 to the north. B5524 is defined to the south by B5525 and to the north by the high school building. PCBs were reported at 5.4 mg/kg in B5524. Concentrations of PCBs in B5553 at 0.17-2 ft bgs were 0.4 mg/kg and 0.66 mg/kg in the duplicate. B5524 is therefore vertically defined to the west by B5553, and additional delineation is not required.

- B5554 at 2.05-4.05 ft bgs (850-848 ft amsl): This sample was proposed to laterally define PCBs at B5512 (located east of Investigation Area 7) to the south, which was advanced to laterally delineate PCBs at B3851. PCBs are delineated to the north by Building 66 and to the east by B5510 and B5061. PCBs were reported at 3.6 mg/kg in B5512. Concentrations of PCBs in B5554 at 0.5-2.05 ft bgs (852-850 ft amsl) were 2.17 mg/kg and 0.088 mg/kg at 2.05-4.05 ft bgs (850-848 ft amsl). B5512 is therefore vertically defined to the south by B5554, and additional delineation is not required.

- B5555 at 0.53-2.53 ft bgs and 2.53-4.53 ft bgs (852-850 and 850-848 feet amsl, respectively): This sample was proposed to laterally define PCBs at B5512 (located east of Investigation Area 7) to the west, which was advanced to laterally delineate PCBs at B3851. PCBs are delineated to the north by Building 66 and to the east by B5510 and B5061. PCBs were reported at 3.6 mg/kg in B5512. Concentrations of PCBs in B5555 at 0.53-2.53 ft bgs (852-850 ft amsl) were 7.21 mg/kg and 5.8 mg/kg at 2.53-4.53 ft bgs (850-848 ft amsl). B5512 is not defined vertically to the west by B5555 and additional delineation of PCBs below 4.53 ft bgs (848-846 ft amsl) would be required.

Metals

Under Addendum #6, a total of nine samples and one duplicate were collected for metals analysis. Analytical results are shown on **Table 2B**. An overview of findings of the Addendum #6 investigation is presented below.

- B5503A at 842-840 ft amsl (8.22-10.22 ft bgs): This boring was advanced to vertically delineate arsenic concentrations at boring B5503 and is located south of Investigation Area 2. Arsenic was reported at concentrations of 18 mg/kg and 41 mg/kg (RR SCO of 16 mg/kg) at depths of 846-844 ft amsl (4.20-6.20 ft bgs) and 848-846 ft amsl (2.20-4.20 ft bgs),

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respectively. The concentration of arsenic at B5503A at 842-840 ft amsl (8.22-10.22 ft bgs) was 6.3 mg/kg. Therefore, the boring is vertically defined, and additional delineation is not required.

- B5516A at 846-844 ft amsl (4.12-6.12 ft bgs): This boring was advanced to vertically delineate arsenic and copper at boring B5516 and is located south of the school Service Entrance road. Arsenic was reported at concentrations of 20 mg/kg and 17 mg/kg (RR SCO of 16 mg/kg) at depths of 848-846 ft amsl (1.97-3.97 ft bgs) and 850-848 ft amsl (0.00- 1.97 ft bgs), respectively. The concentration of arsenic at B5516A at 846-844 ft amsl (4.12-6.12 ft bgs) was 10.0 mg/kg and 8.0 mg/kg in the duplicate sample. Copper was reported at a concentration of 5,500 mg/kg (RR SCO of 270 mg/kg) at a depth of 848-846 ft amsl (1.97-3.97 ft bgs). The concentration of copper in B5516A at 846-844 ft amsl (4.12-6.12 ft bgs) was 35.0 mg/kg and 37.0 mg/kg in the duplicate sample. Therefore, the boring is vertically defined, and additional delineation is not required.

- B537A at 836-834 ft amsl (14.7-16.7 ft bgs): This boring was advanced at the request of NYSDEC to vertically delineate arsenic concentrations at boring B537. Arsenic was reported in B537 at 38.0 mg/kg (RR SCO of 16 mg/kg) at 836-834 ft amsl (12.12-14.2 ft bgs). The samples collected from B537A 838-836 ft amsl (12.17-14.17 ft bgs) and 836-834 ft amsl (14.17-16.17 ft bgs) had detection of arsenic of 39 mg/kg and 15 mg/kg, respectively. This sample is therefore vertically defined and does not require additional delineation.

- B5530A at 2-4 ft bgs: This boring was advanced to vertically delineate arsenic and cadmium at boring B5530 and is located to the south of the school Service Entrance road. Arsenic was reported at a concentration of 19 mg/kg (RR SCO of 16 mg/kg) at depths of 0.17-2.00 ft bgs. The concentration of arsenic at B5530A at 2-4 ft bgs was 15.0 mg/kg. Cadmium was reported at a concentration of 4.5 mg/kg (RR SCO of 4.3 mg/kg) on boring B5530 at a depth of 0.17-2.00 ft bgs. The concentration of copper in B5530A at 2-4 ft bgs was 0.17 mg/kg. Therefore, the boring is vertically defined, and additional delineation is not required.

- B5550 at 844-842 ft amsl (5.24-7.24 ft bgs): This boring was advanced to laterally delineate arsenic concentrations at boring B5509. B5509 and B5550 are located in Investigation Area 6. Arsenic is delineated to the north by B5082, to the east by B3824, and the west by B5083. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. Arsenic was reported at 18 mg/kg (RR SCO of 16 mg/kg) in boring B5509 at 844-842 ft amsl (3.90-5.90 ft bgs). In boring B5550 at 844-

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842 ft amsl (5.24-7.24 ft bgs), arsenic was detected at a concentration of 14 mg/kg. B5509 is therefore vertically defined and does not require additional delineation.

- B5551 at 850-848 ft amsl (0.23-1.77 ft bgs): This boring was advanced to laterally delineate arsenic at 850-848 ft amsl (0.23-1.77 ft bgs) in B5516 to the west. B5516 and B5551 are located to the south of the school Service Entrance road. Arsenic is delineated to the north by B3142 and to the east by B5119. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. Arsenic was reported in B5516 at 17 mg/kg (RR SCO of 16 mg/kg) at 850-848 ft amsl (0.00-1.97 ft bgs). Arsenic in B5551 at 850-848 ft amsl (0.23-1.77 ft bgs) was detected at a concentration of 6.3 mg/kg. B5516 is therefore laterally defined by B5551. This sample does not require additional delineation.

- B5551 at 848-846 ft amsl (1.77-3.77 ft bgs): This boring was advanced to laterally delineate arsenic and copper at 848-846 ft amsl (1.77-3.77 ft bgs) at B5516 to the west. B5516 and B5551 are located to the south of the school Service Entrance road. Arsenic and copper are delineated to the north by B3142 and to the east by B5119. Delineation of arsenic to the south is supported by off-Site data collected on NYSDEC Site #808049 and reported under separate cover. Arsenic was reported in B5516 at 20 mg/kg (RR SCO of 16 mg/kg) at 848-846 ft amsl (1.77-3.77 ft bgs). Arsenic in B5551 at 848-846 ft amsl (1.77-3.77 ft bgs) was detected at a concentration of 6.2 mg/kg. Copper in B5516 at 848-846 ft amsl (1.77-3.77 ft bgs) was detected at a concentration of 5,500 mg/kg (RR SCO of 270 mg/kg). Copper in B5551 at 848-846 ft amsl (1.77-3.77 ft bgs) was detected at a concentration of 34 mg/kg. B5516 is therefore laterally defined by B5551. This sample does not require additional delineation.

CONCLUSIONS

The analytical data provided herein demonstrates that lateral and vertical delineation of COPCs in the Southern Portion of the Site has been defined sufficiently to assess potentially complete exposure pathways and make remedial decisions regarding on-Site conditions with one exception. In one location (B5555 located east of Investigation Area 7), additional delineation of PCBs below 4.53 ft bgs (848-846 ft amsl) would be required. The additional sampling will be discussed in a future Work Plan.

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SCHEDULE AND DELIVERABLES

Unisys will prepare a Work Plan to describe delineation activities proposed for the on-Site Southern Portion of Site area to complete vertical delineation of B5555 below 4.53 ft bgs (848-846 ft amsl). Within six weeks of approval of this report, a Work Plan for the vertical delineation of B5555 will be submitted.

CLOSING

Geosyntec appreciates the opportunity to submit this report to the NYSDEC and NYSDOH. If you have any questions, please contact Mr. Kevin Krueger of Unisys at (651) 212-7273.

Sincerely,

Krista Brodersen
Senior Scientist
Geosyntec Consultants, Inc.

Kaitlin Thell Ouverson, P.E. (MN, NY, WI)
Senior Engineer
B&B Engineers & Geologists of New York, P.C.

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Attachments:

Figure 1 – Site Layout Map
Figure 2 – Investigation Areas
Figure 3A – Soil Boring Location Map – Southeastern Portion of Site
Figure 3B – Soil Boring Location Map – Southwestern Portion of Site
Figures 4A-4Q – Southeastern Portion of Site Soil Data – TPH-DRO, SVOCs, VOCs
Figures 5A-5P – Southeastern Portion of Site Soil Data – PFAS, Metals, PCBs
Figures 6A-6P – Southwestern Portion of Site Soil Data – TPH-DRO, SVOCs, VOCs
Figures 7A-7P – Southwestern Portion of Site Soil Data – PFAS, Metals, PCBs
Figure 8A – Southeastern Portion of Site Soil Data (0-0.17 ft bgs) – TPH-DRO, SVOCs, VOCs
Figure 8B – Southeastern Portion of Site Soil Data (0.17-2 ft bgs) – TPH-DRO, SVOCs, VOCs
Figure 8C – Southeastern Portion of Site Soil Data (2-4 ft bgs) – TPH-DRO, SVOCs, VOCs
Figure 9A – Southeastern Portion of Site Soil Data (0-0.17 ft bgs) – PFAS, Metals, PCBs
Figure 9B - Southeastern Portion of Site Soil Data (0.17-2 ft bgs) – PFAS, Metals, PCBs
Figure 9C - Southeastern Portion of Site Soil Data (2-4 ft bgs) – PFAS, Metals, PCBs
Figure 10A– Southwestern Portion of Site Soil Data (0-0.17 ft bgs) – TPH-DRO, SVOCs, VOCs
Figure 10B – Southwestern Portion of Site Soil Data (0.17-2 ft bgs) – TPH-DRO, SVOCs, VOCs
Figure 10C – Southwestern Portion of Site Soil Data (2-4 ft bgs) – TPH-DRO, SVOCs, VOCs
Figure 11A – Southwestern Portion of Site Soil Data (0-0.17 ft bgs) – PFAS, Metals, PCBs
Figure 11B - Southwestern Portion of Site Soil Data (0.17-2 ft bgs) – PFAS, Metals, PCBs
Figure 11C - Southwestern Portion of Site Soil Data (2-4 ft bgs) – PFAS, Metals, PCBs
Figure 12A – Southeastern Portion of Site CAMP Monitoring Locations
Figure 12B – Southwestern Portion of Site CAMP Monitoring Locations
Figure 13 – IDW Staging

Table 1 – Soil Sampling and Analysis Plan
Table 2A – Southern Portion of the Site Soil Data August/December 2024 – PCBs
Table 2B – Southern Portion of the Site Soil Data August/December 2024 – Metals
Table 2C – Southern Portion of the Site Soil Data August/December 2024 – SVOCs
Table 2D – Southern Portion of the Site Soil Data August/December 2024 – VOCs

Attachment A – Pre and Post IRM-2 Surface Elevation Comparison
Attachment B – September 2023 Topographic Survey
Attachment C – Soil Boring Logs
Attachment D – Laboratory Analytical Reports
Attachment E – Historical Soil Data Tables

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Copies to:

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Michael G. Murphy, Beveridge & Diamond
Andrew Millspaugh, Sterling Environmental
Amanda Castignetti, Sterling Environmental
Tom Tuori, Harter, Secrest and Emery

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FIGURES



150 75 0 150 Feet

Legend

- Southeastern Portion of Site
- Southwestern Portion of Site
- Property Boundary

Notes:
-Aerial Imagery Source: Nearmap. Captured August 19, 2023.

Site Layout Map

Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Figure 1

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Investigation Areas

Property Boundary

Notes

-Property Boundary from Metes and Bounds Survey performed by HUNT 1/6/2023.
-Aerial Imagery Source: Nearmap. Captured August 19, 2023.

Investigation Areas

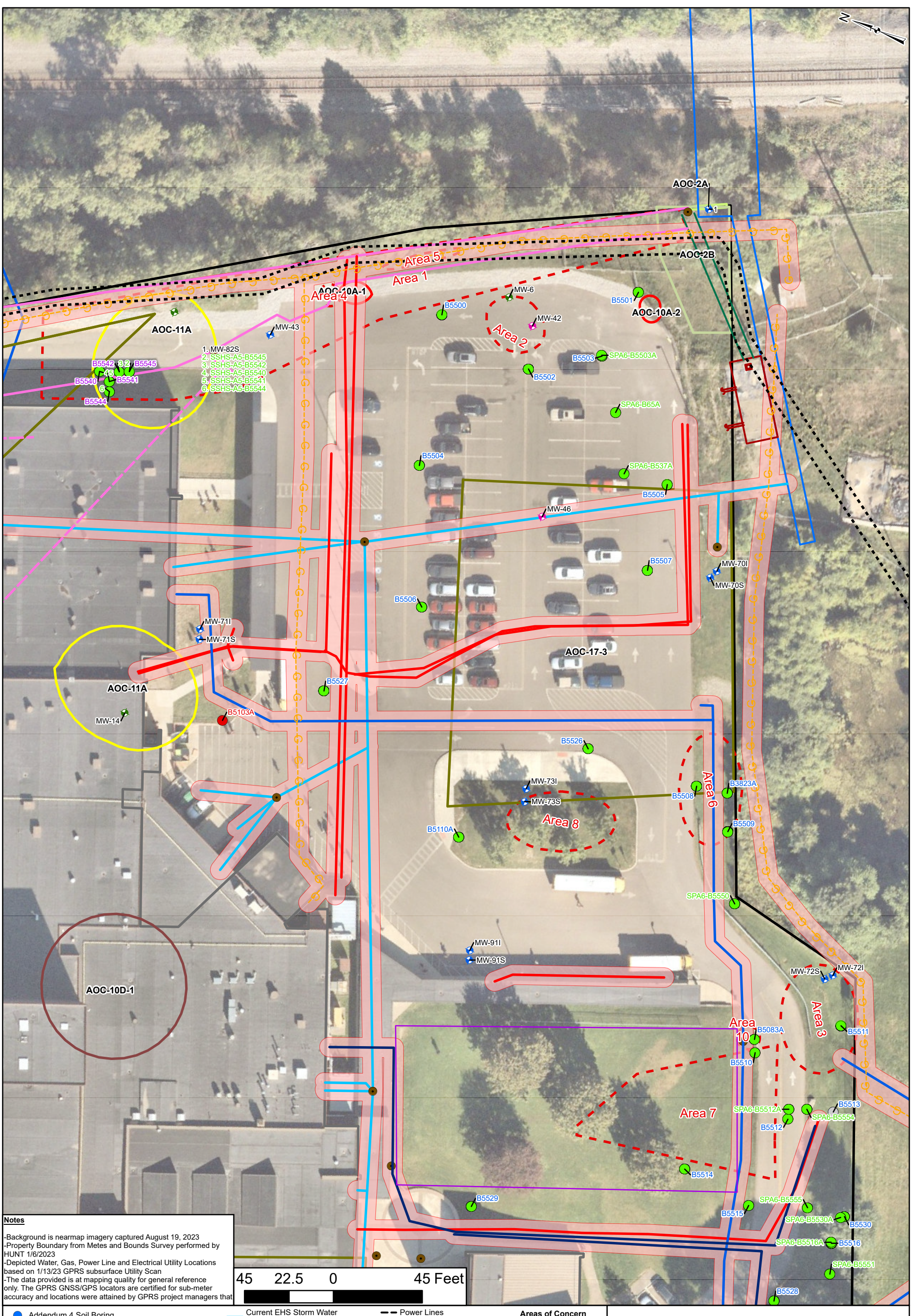
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 2

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Notes

-Background is nearmap imagery captured August 19, 2023
-Property Boundary from Metes and Bounds Survey performed by HUNT 1/6/2023
-Depicted Water, Gas, Power Line and Electrical Utility Locations based on 1/13/23 GPRS subsurface Utility Scan
-The data provided is at mapping quality for general reference only. The GPRS GNSS/GPS locators are certified for sub-meter accuracy and locations were attained by GPRS project managers that

- Addendum 4 Soil Boring
- Addendum 4 Soil Boring - No sample collected
- Addendum 4 Soil Boring - Refusal Encountered
- Addendum 5 Soil Boring
- Addendum 6 Soil Boring
- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located
- 5 ft Box Culvert
- OS2
- Site Culvert
- Chiller Well Lines
- Water Lines
- Subsurface Electrical Lines
- Power Lines
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Subsurface Utility Buffer - 5 ft

Areas of Concern

- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Proposed Soil Borings

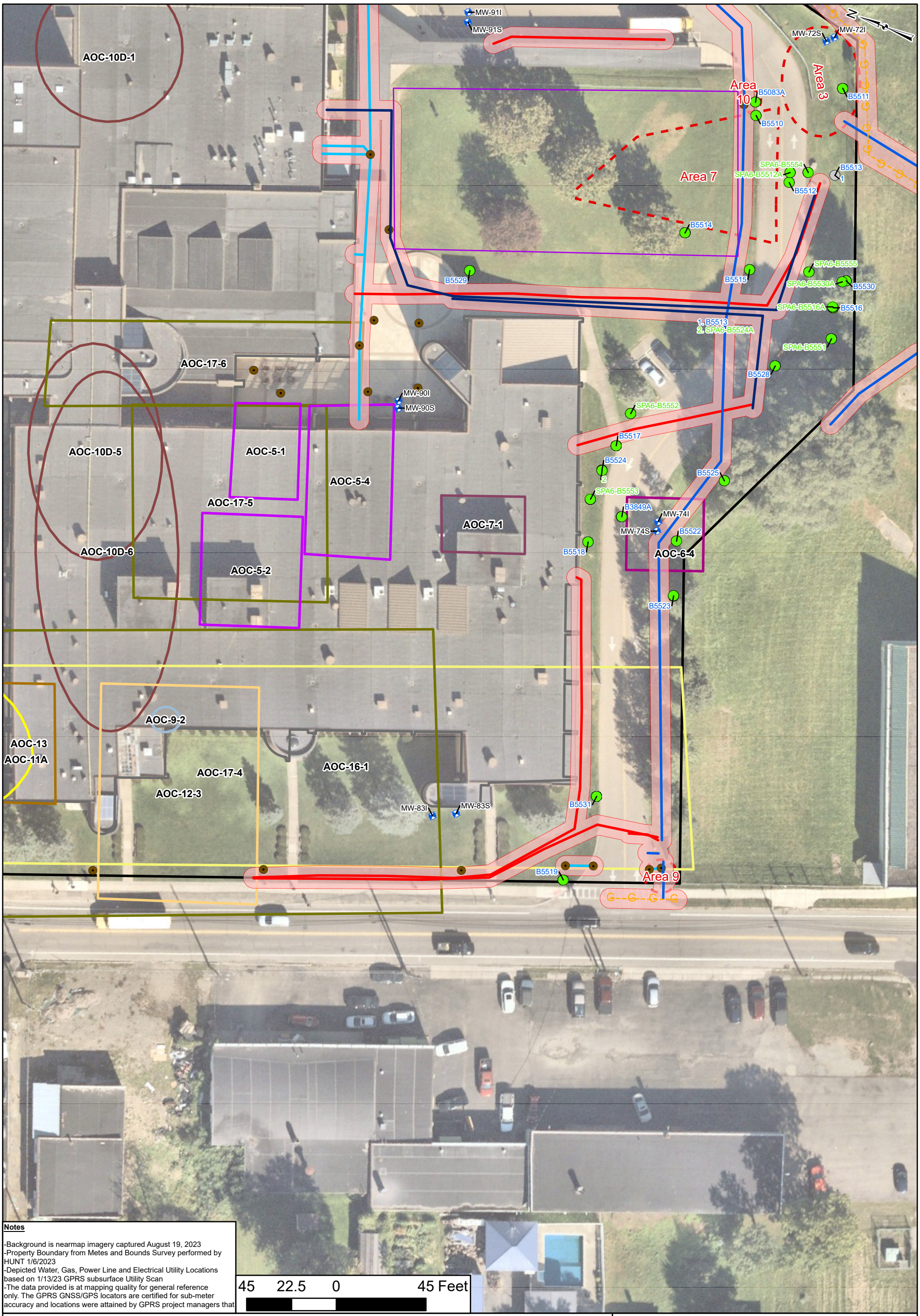
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Figure 3A

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Notes

-Background is nearmap imagery captured August 19, 2023
-Property Boundary from Metes and Bounds Survey performed by HUNT 1/6/2023
-Depicted Water, Gas, Power Line and Electrical Utility Locations based on 1/13/23 GPRS subsurface Utility Scan
-The data provided is at mapping quality for general reference only. The GPRS GNSS/GPS locators are certified for sub-meter accuracy and locations were attained by GPRS project managers that

- Addendum 4 Soil Boring
- Addendum 4 Soil Boring - No sample collected
- Addendum 4 Soil Boring - Refusal Encountered
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- Addendum 6 Soil Boring
- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
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- Former Combined Industrial Sewer (Pre-1979) Not Located
- Chiller Well Lines
- Water Lines
- Subsurface Electrical Lines
- Power Lines
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Subsurface Utility Buffer - 5 ft

Areas of Concern

- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Proposed Soil Borings

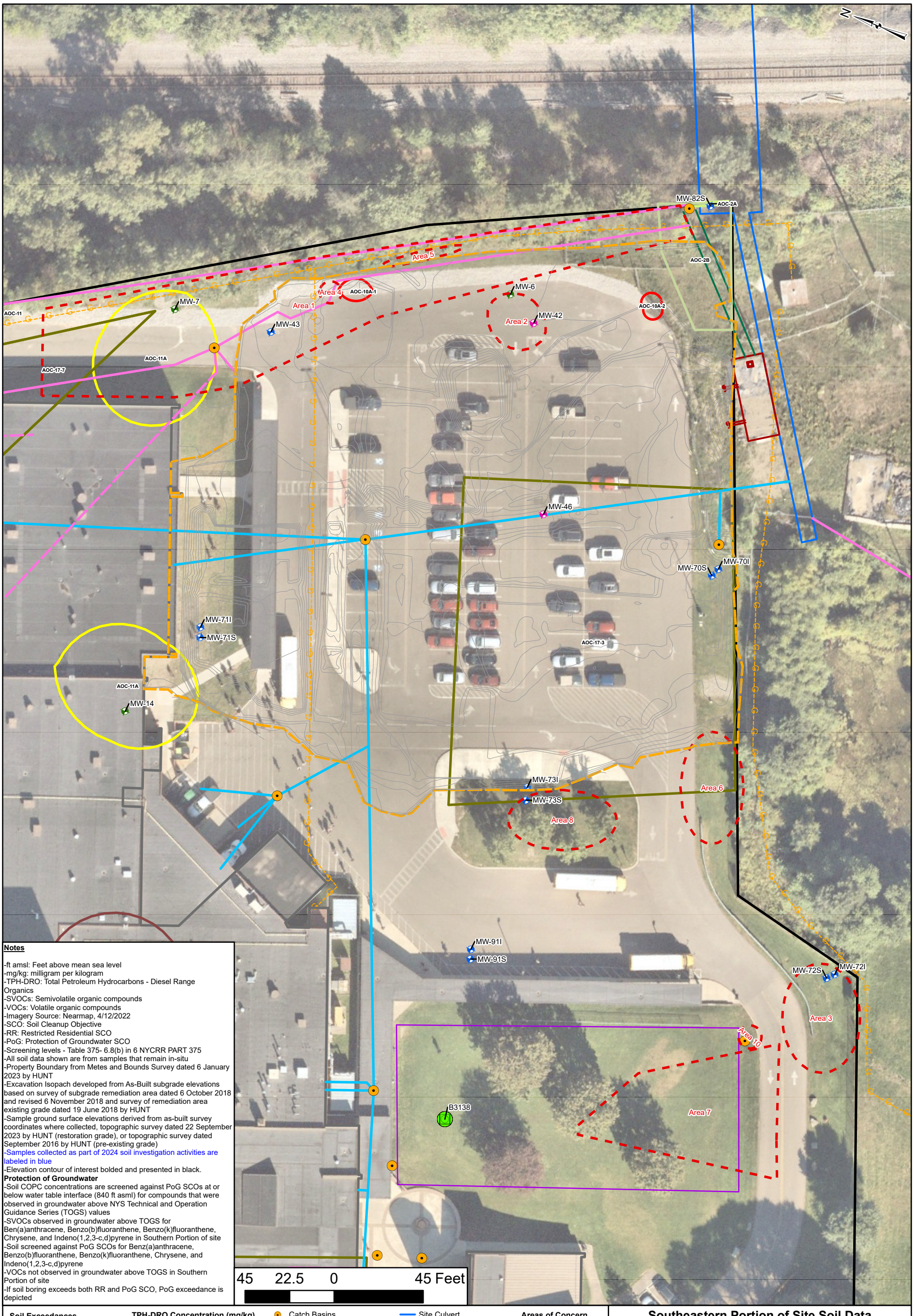
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Figure 3B

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (862-860 ft amsl)

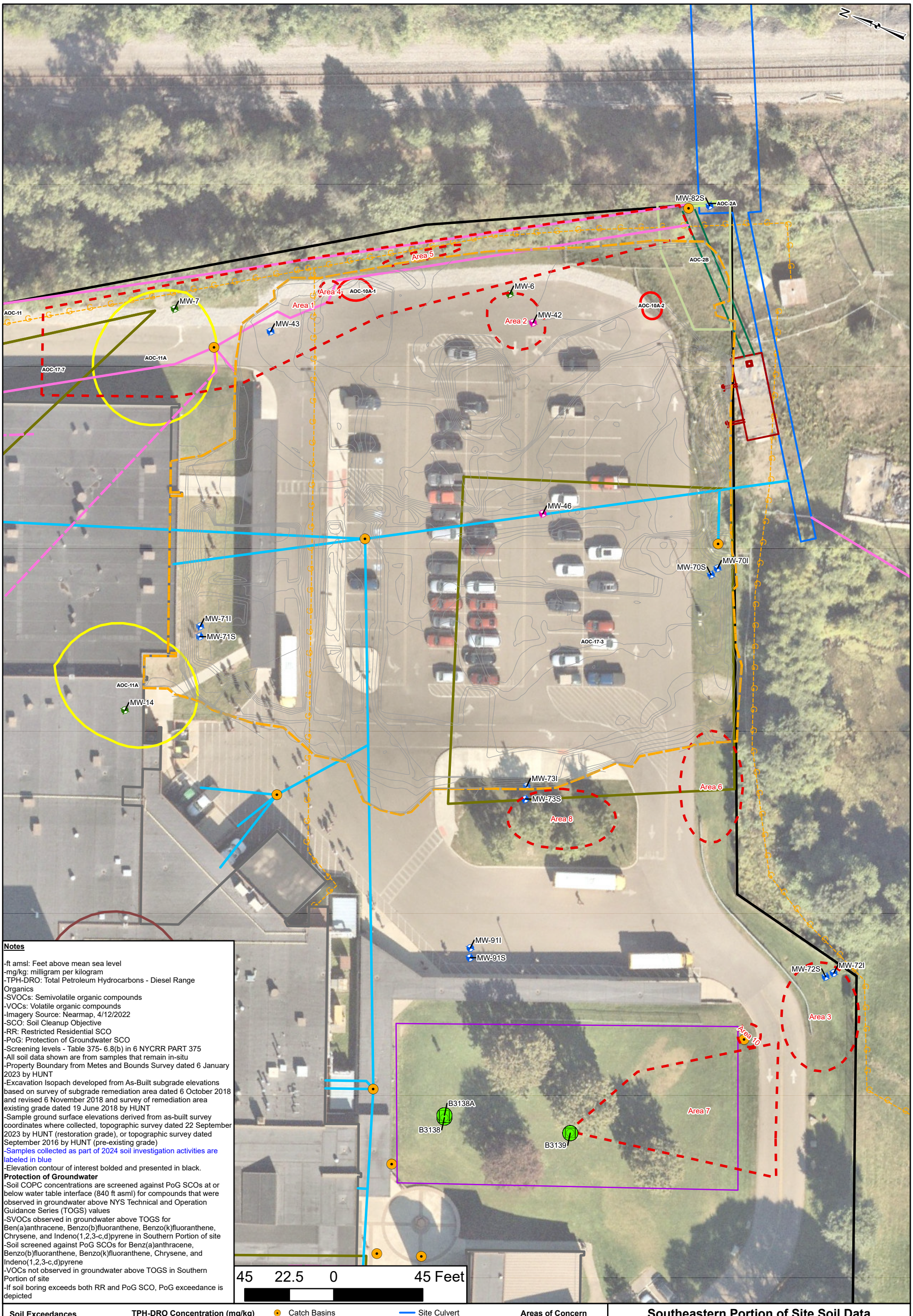
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Figure 4A

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (860-858 ft amsl)

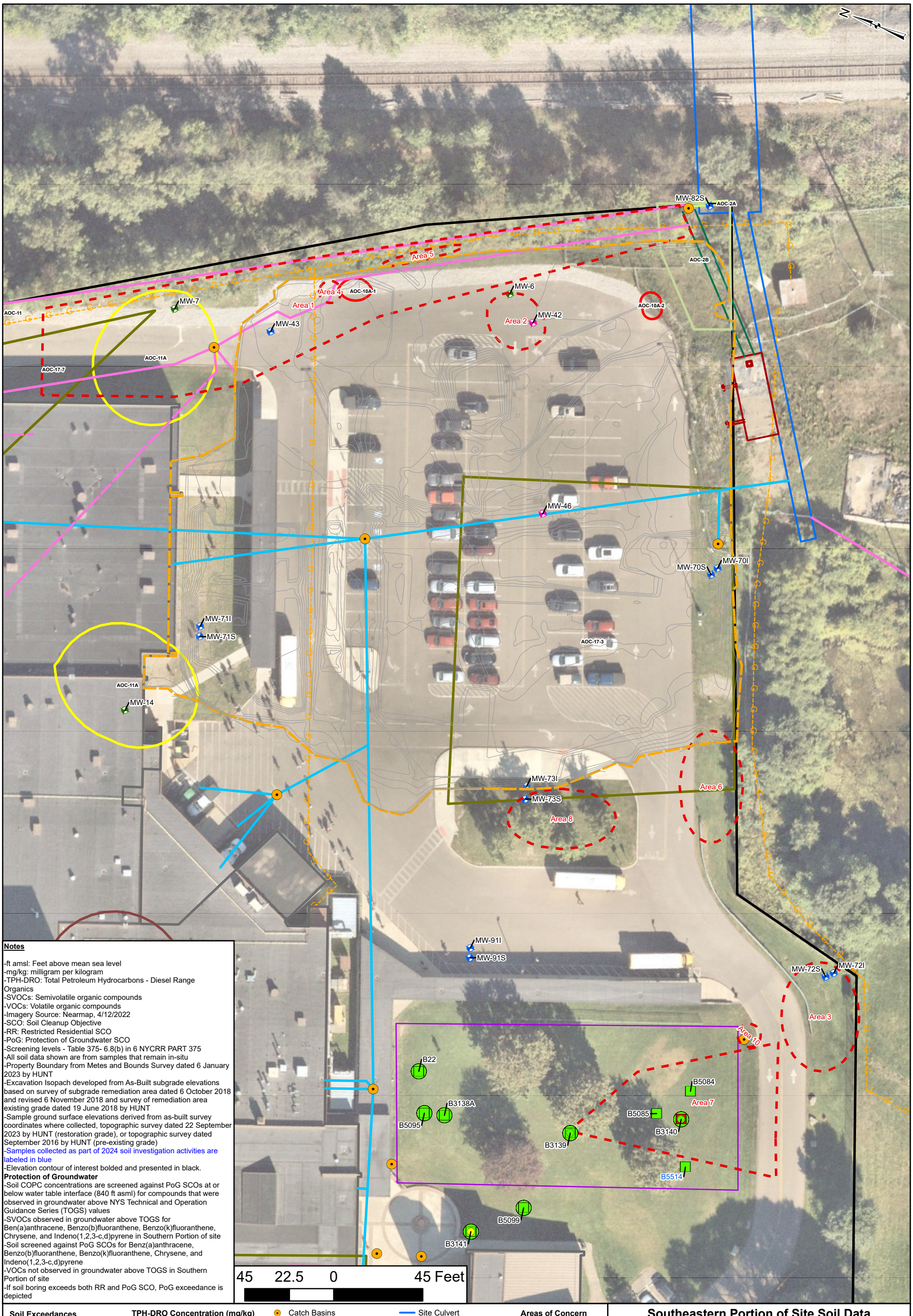
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Figure 4B

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (858-856 ft amsl)

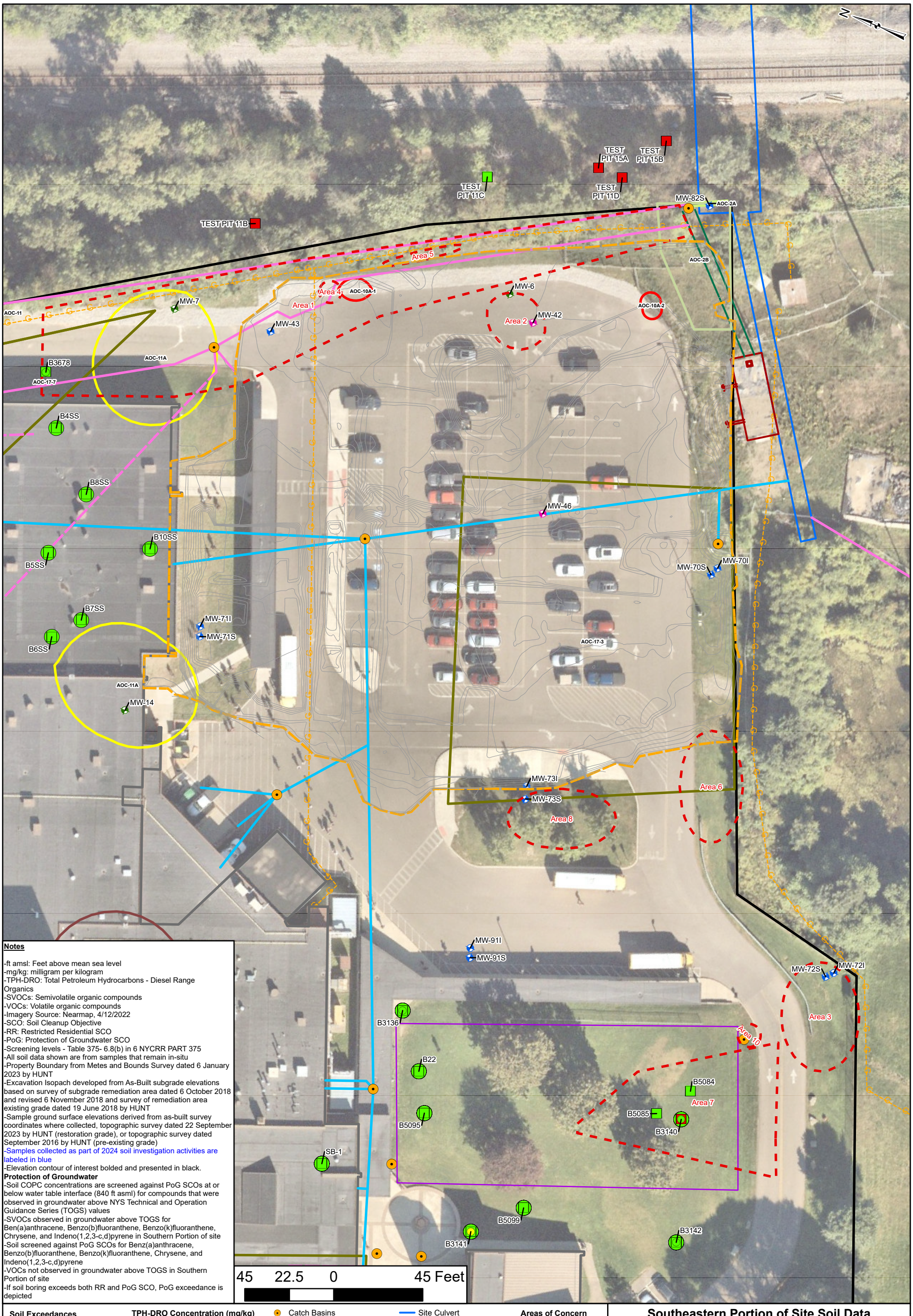
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4C

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (856-854 ft amsl)

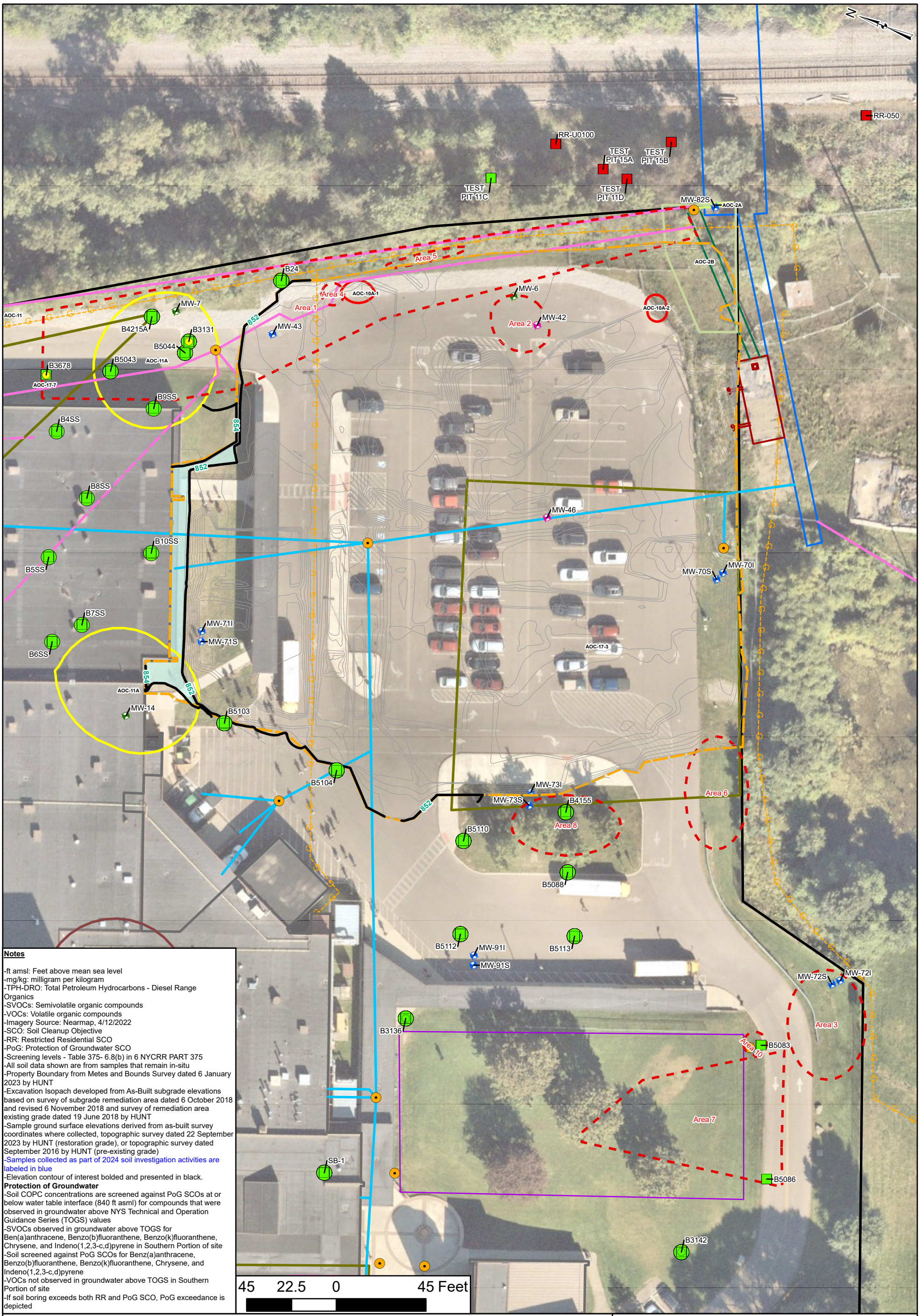
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4D

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (854-852 ft amsl)

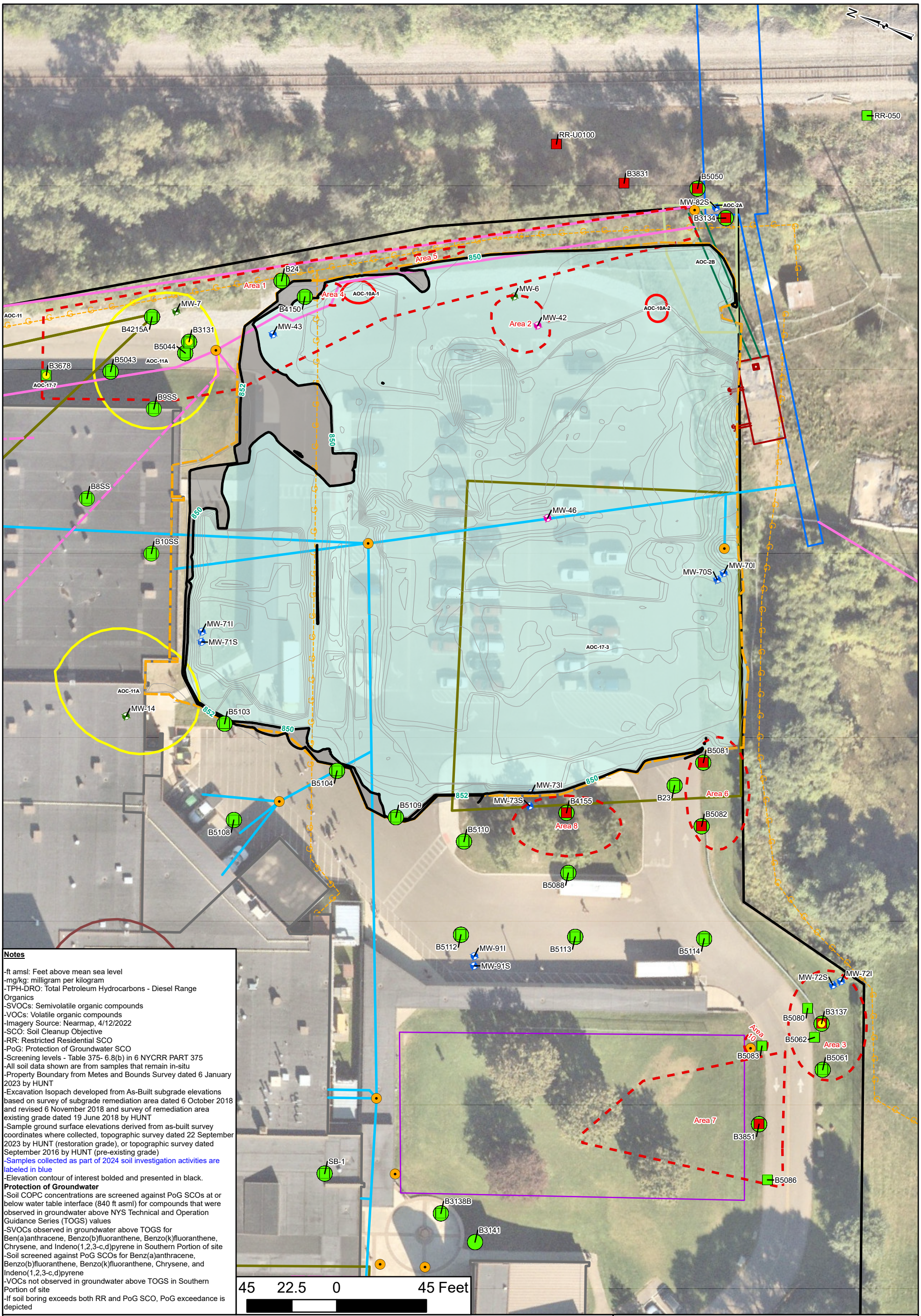
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4E

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2

- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (852-850 ft amsl)

Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4F

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
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Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
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-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

45 22.5 0 45 Feet

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data
TPH-DRO, SVOCs, VOCs
(850-848 ft amsl)

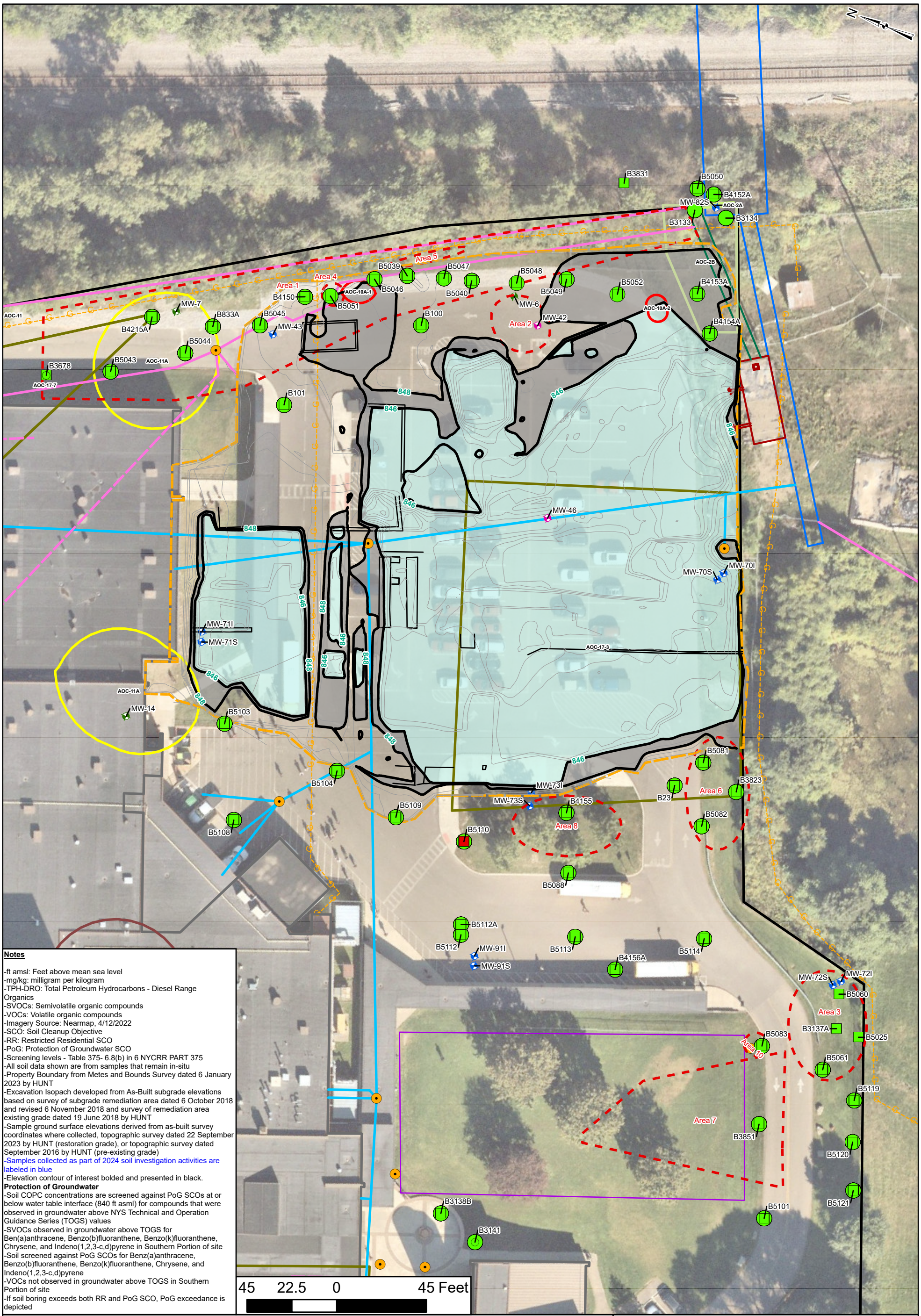
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4G

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
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Protection of Groundwater

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-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
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-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (848-846 ft amsl)

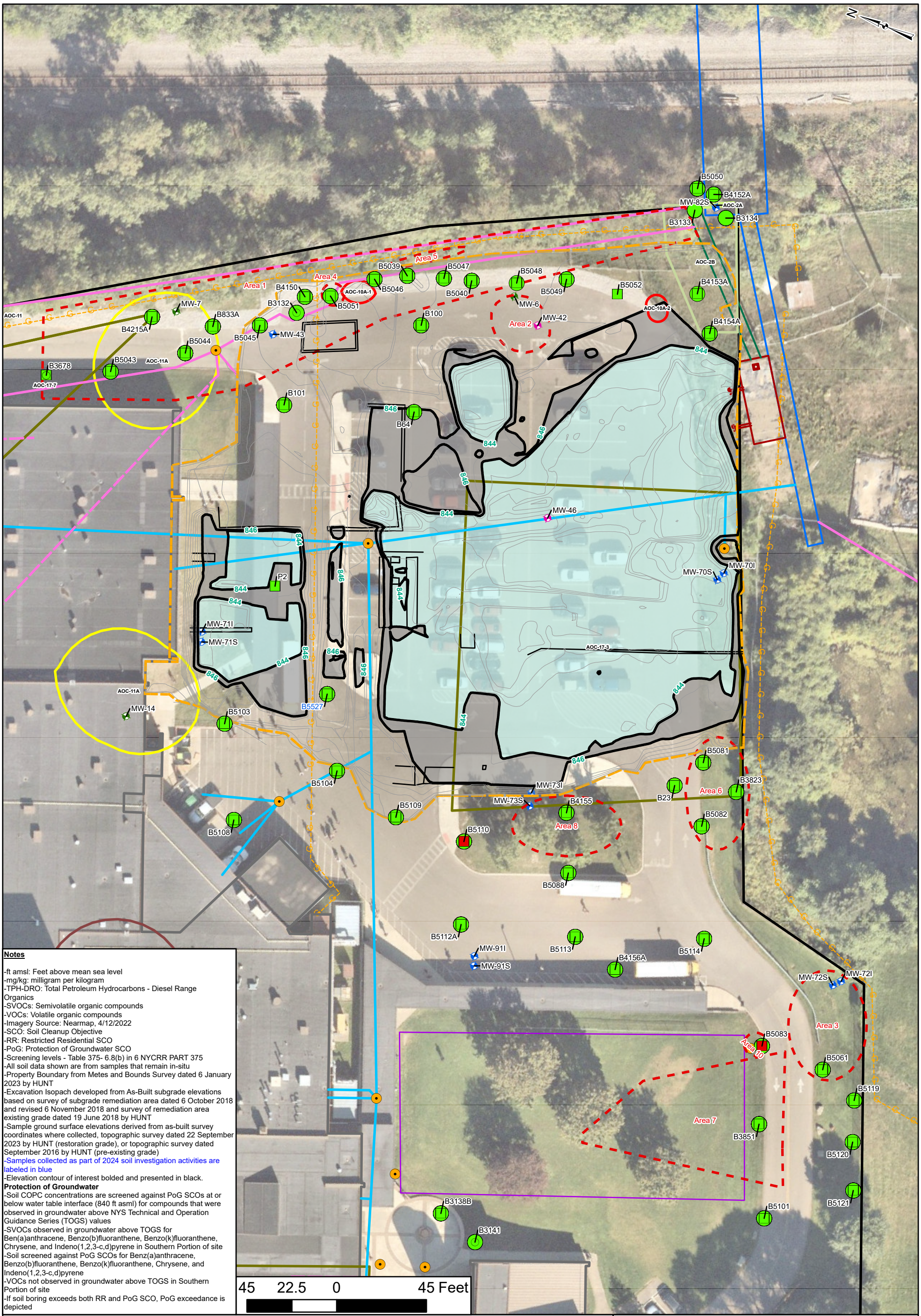
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4H

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (846-844 ft amsl)

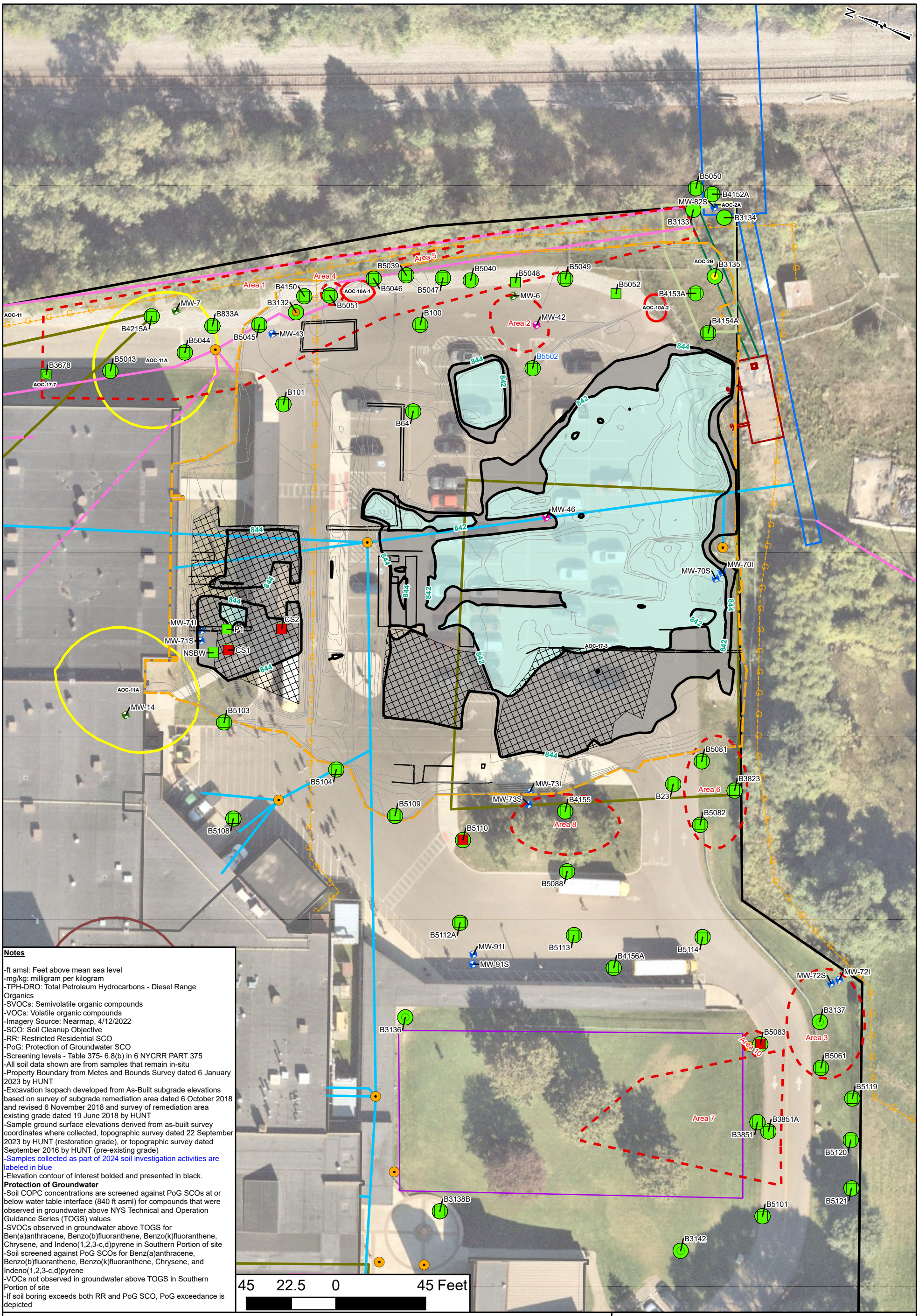
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 4I

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (844-842 ft amsl)

Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4J

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

45 22.5 0 45 Feet

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (842-840 ft amsl)

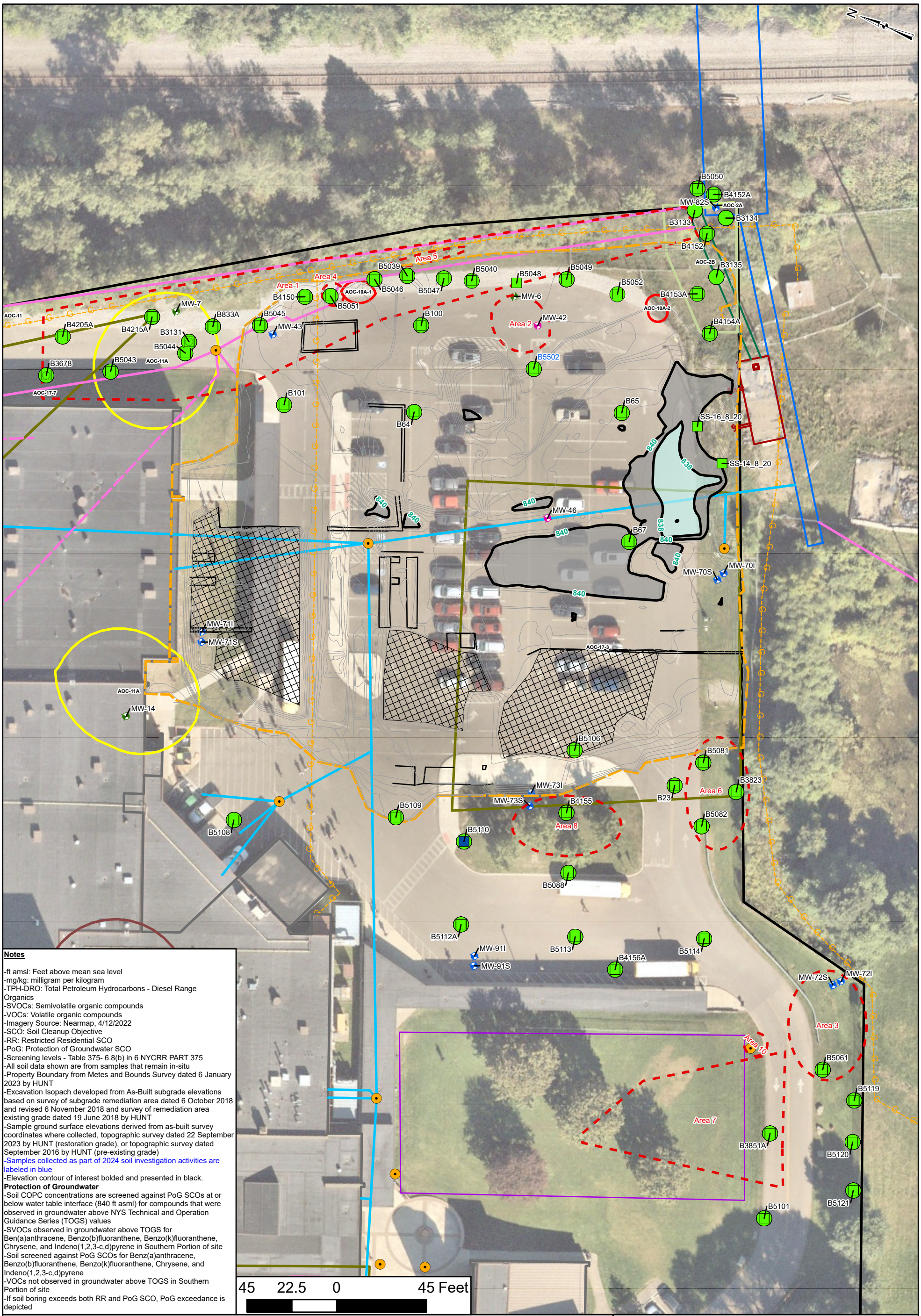
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 4K

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (840-838 ft amsl)

Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4L

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

45 22.5 0 45 Feet

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (838-836 ft amsl)

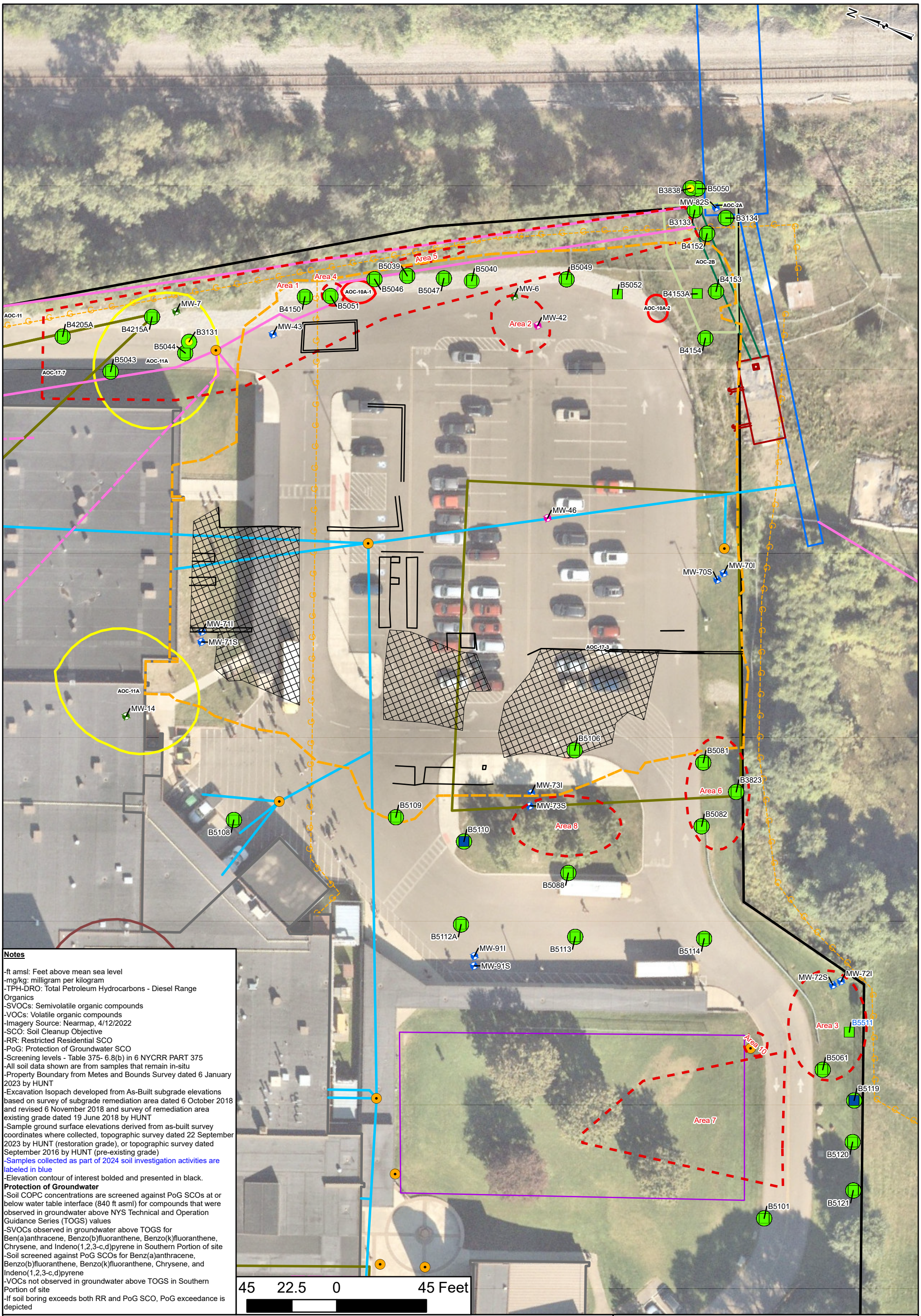
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 4M

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (836-834 ft amsl)

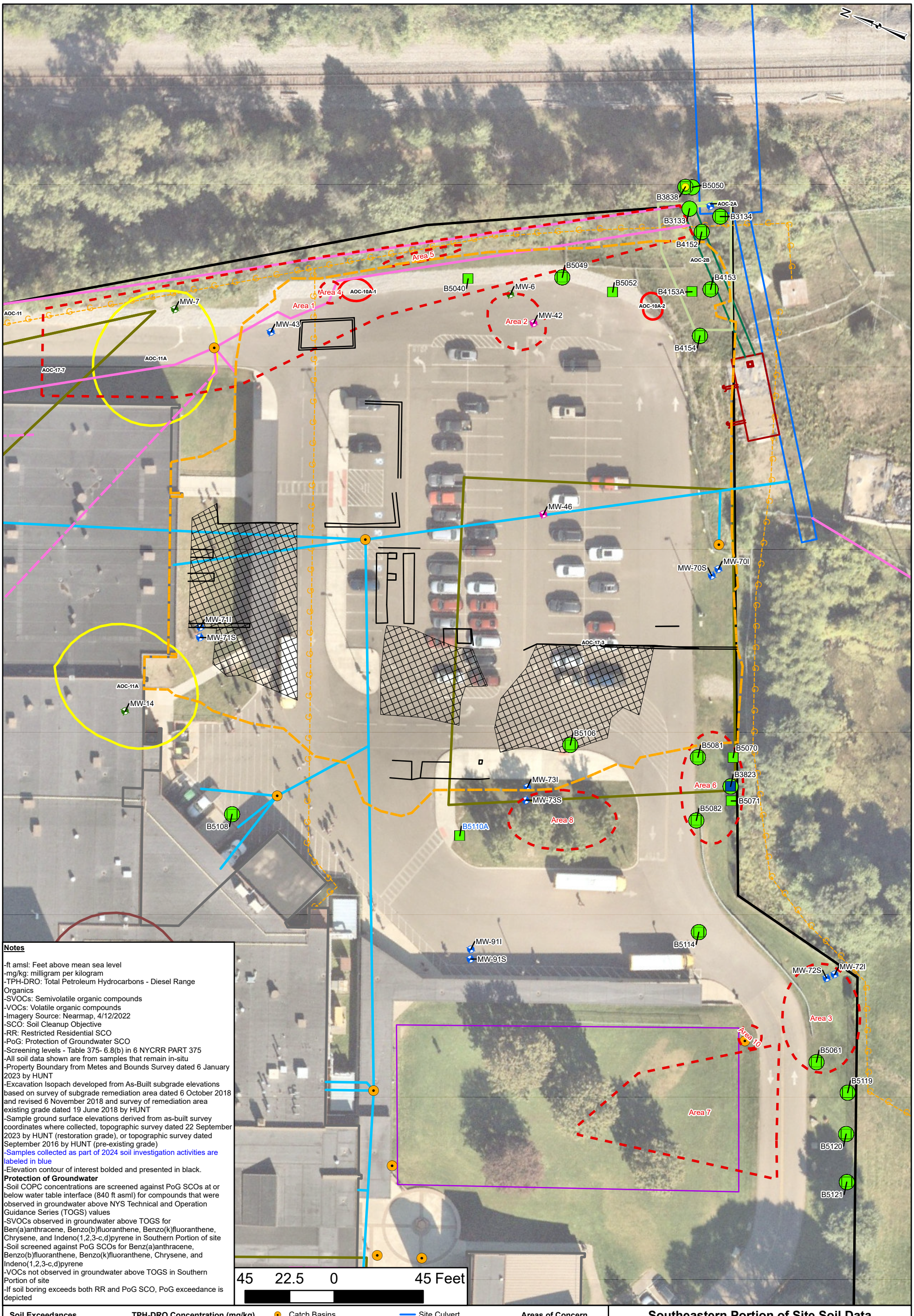
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4N

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft amsl) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (834-832 ft amsl)

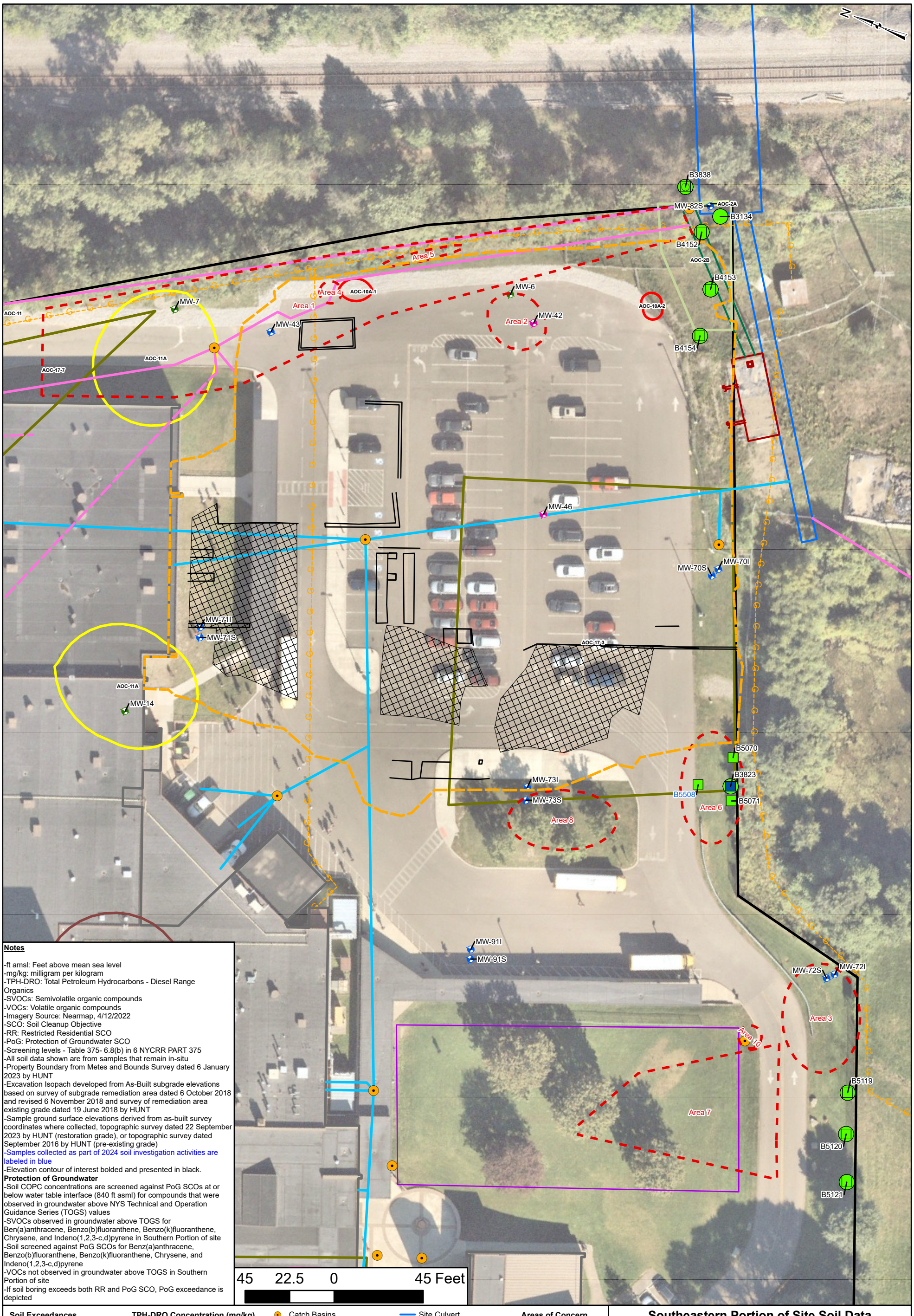
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4O

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (832-830 ft amsl)

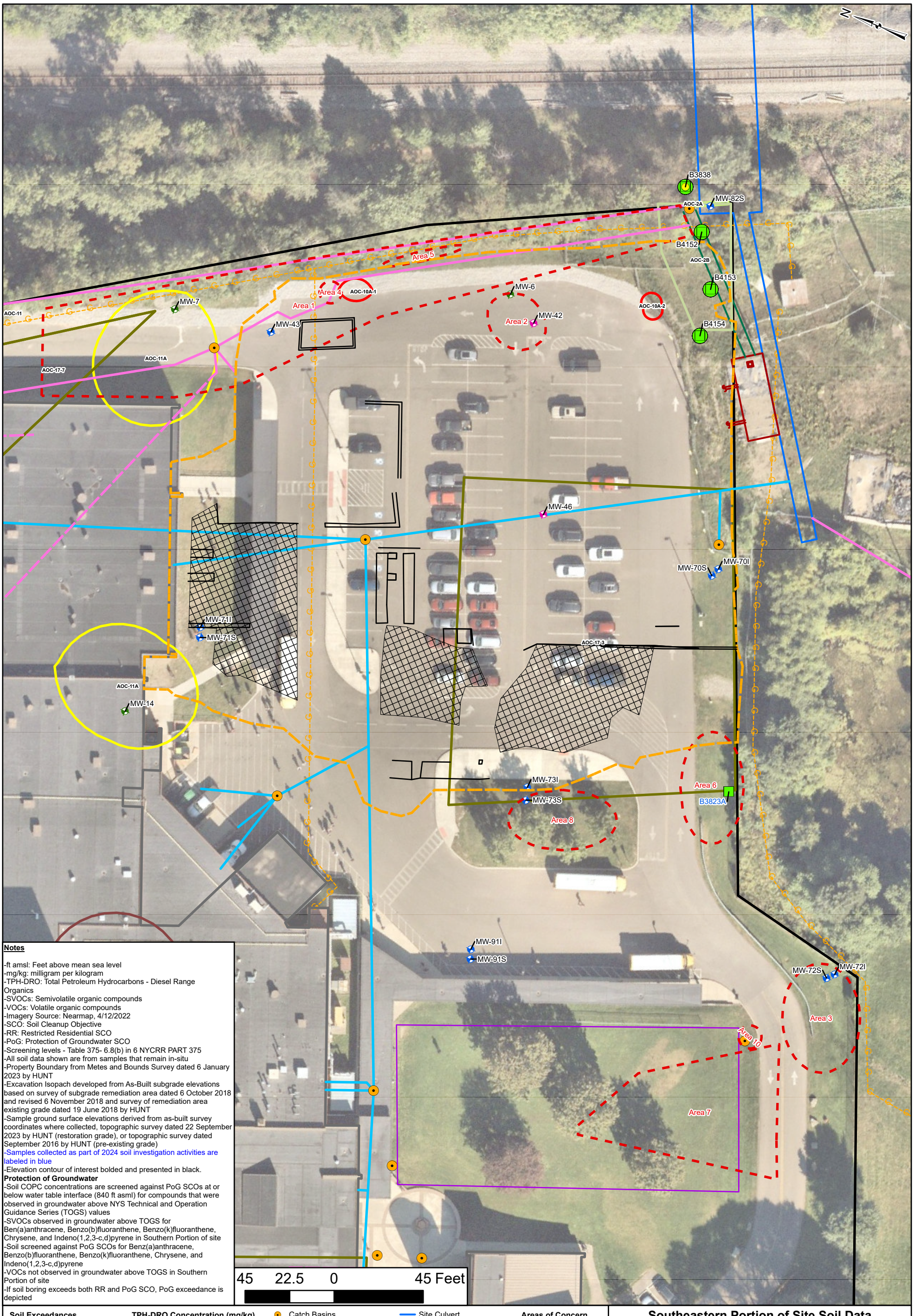
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4P

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (830-828 ft amsl)

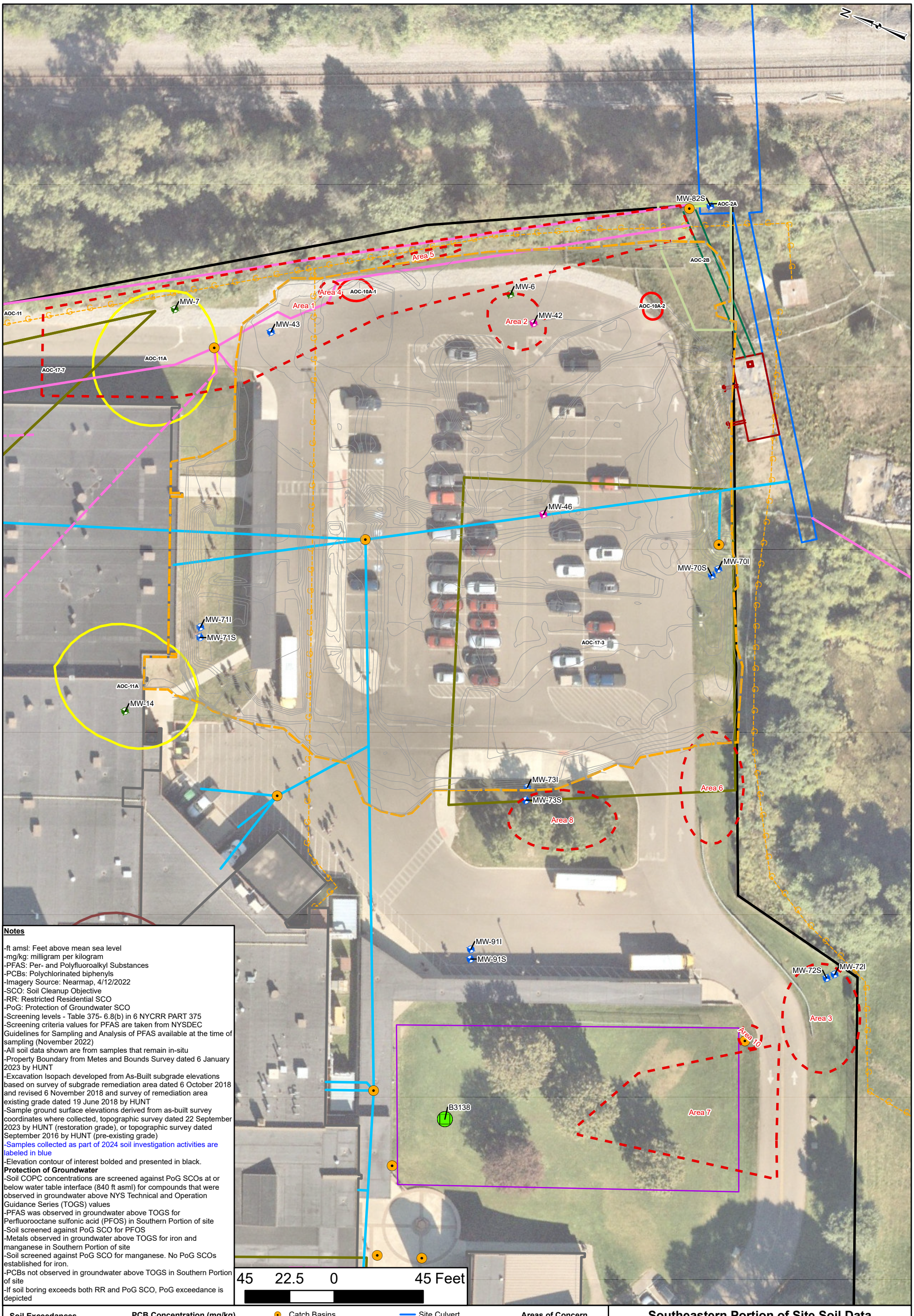
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 4Q

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (862-860 ft amsl)

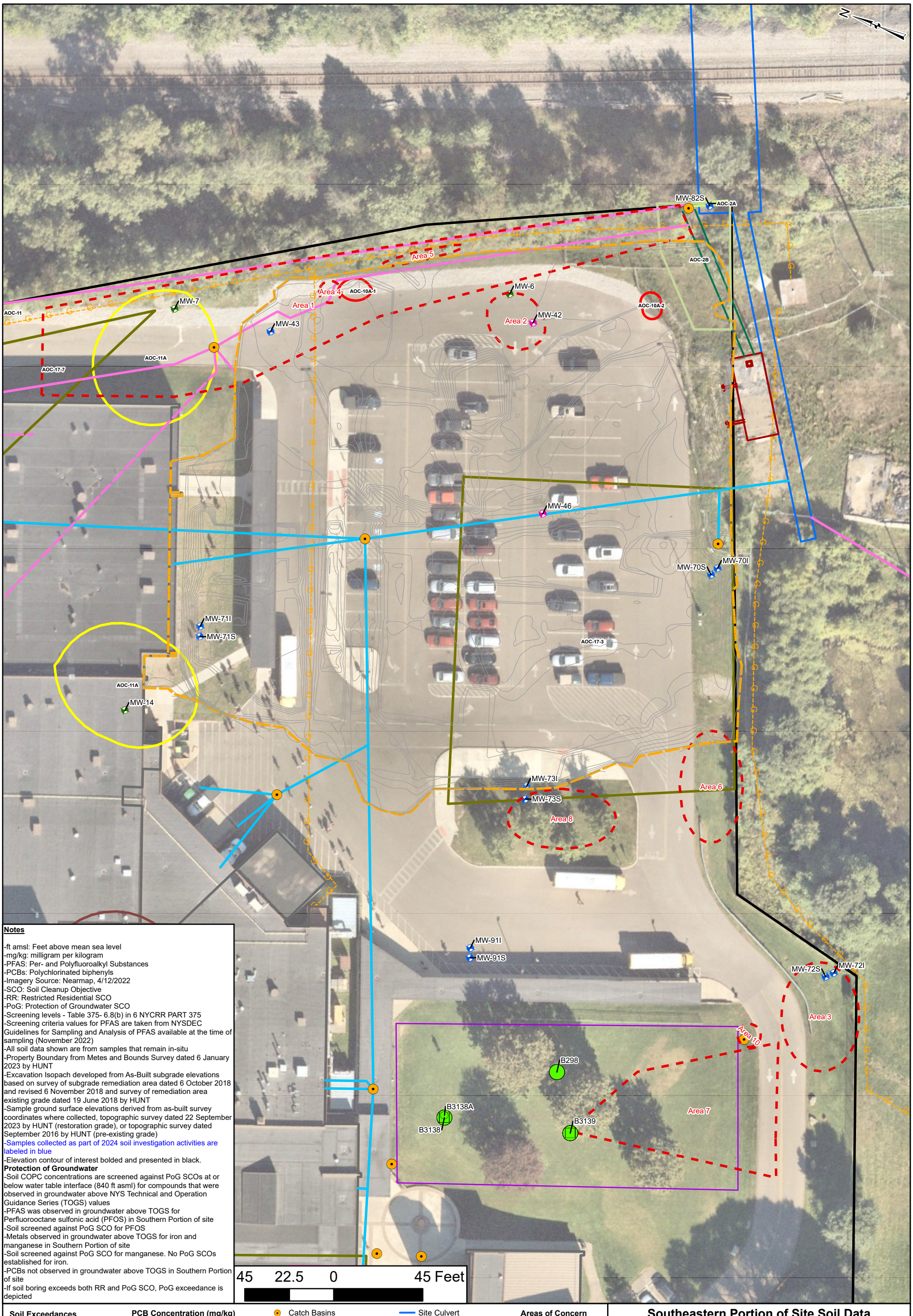
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 5A

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (860-858 ft amsl)

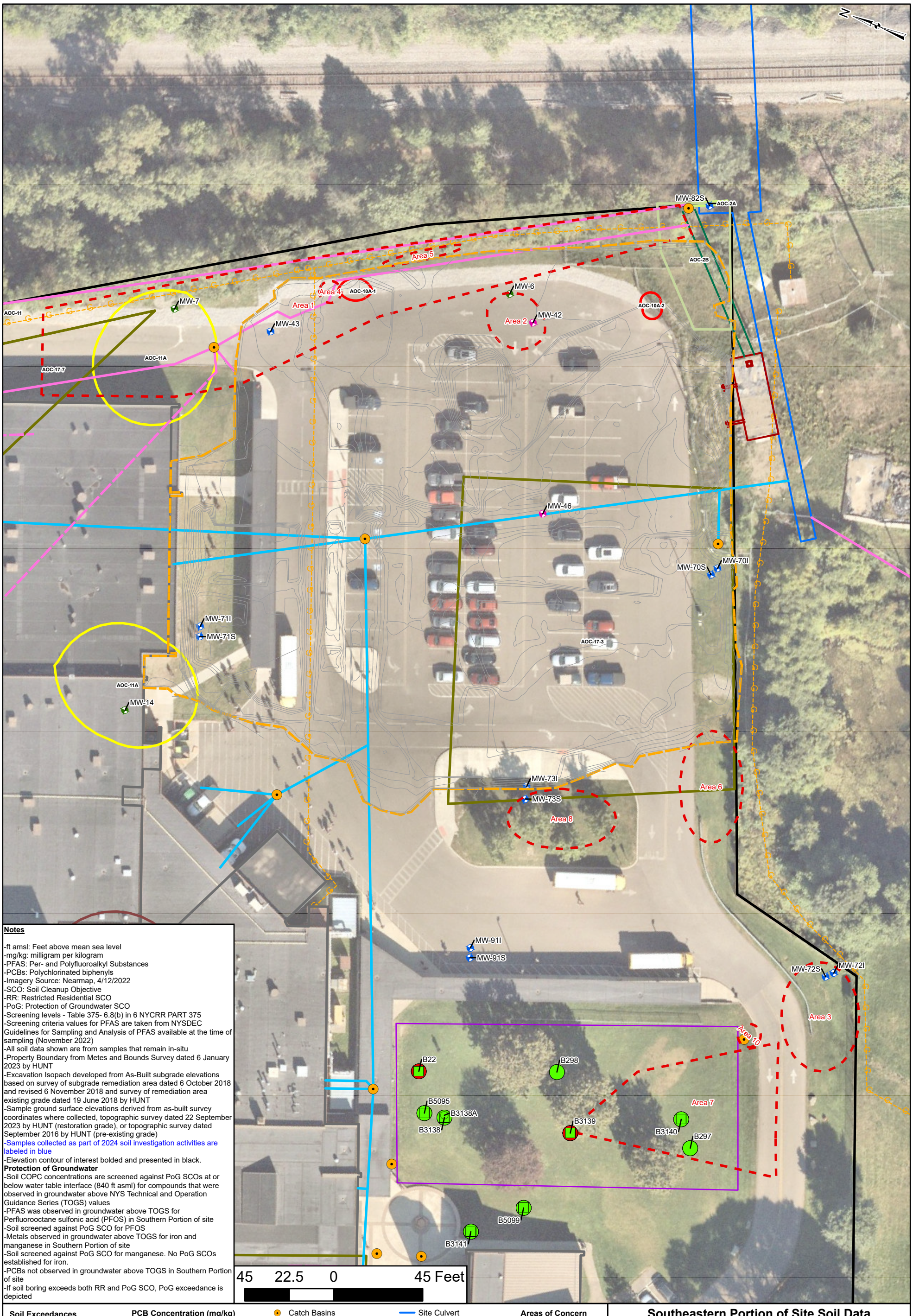
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 5B

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (858-856 ft amsl)

Former Sperry Remington - North Portion #c808022
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Figure 5C

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N

B3682
TEST PIT 11B
TEST PIT 11C
RR-U0100
TEST PIT 15A
TEST PIT 11D
TEST PIT 15B
RR-050
MW-82S
AOC-2A
AOC-2B
Area 5
Area 4
AOC-10A-1
Area 1
MW-7
MW-43
MW-6
Area 2
MW-42
AOC-10A-2
AOC-11
AOC-11A
AOC-17-7
SSHS-A5-B5540
SSHS-A5-B5541
SSHS-A5-B5544
B3678
B299
B9SS-A
B4SS-A
B8SS
B10SS
B5SS
B7SS
B6SS
B3S
MW-14
MW-71I
MW-71S
AOC-11A
MW-46
MW-70S
MW-70I
AOC-17-3
MW-73I
MW-73S
Area 6
Area 8
B296
MW-91I
MW-91S
MW-72S
MW-72I
Area 3
Area 10
B3136
B22
B5095
Area 7
B3139
B3140
SB-1
B5529
B5099
B3141
B3142

Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

45 22.5 0 45 Feet

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (856-854 ft amsl)

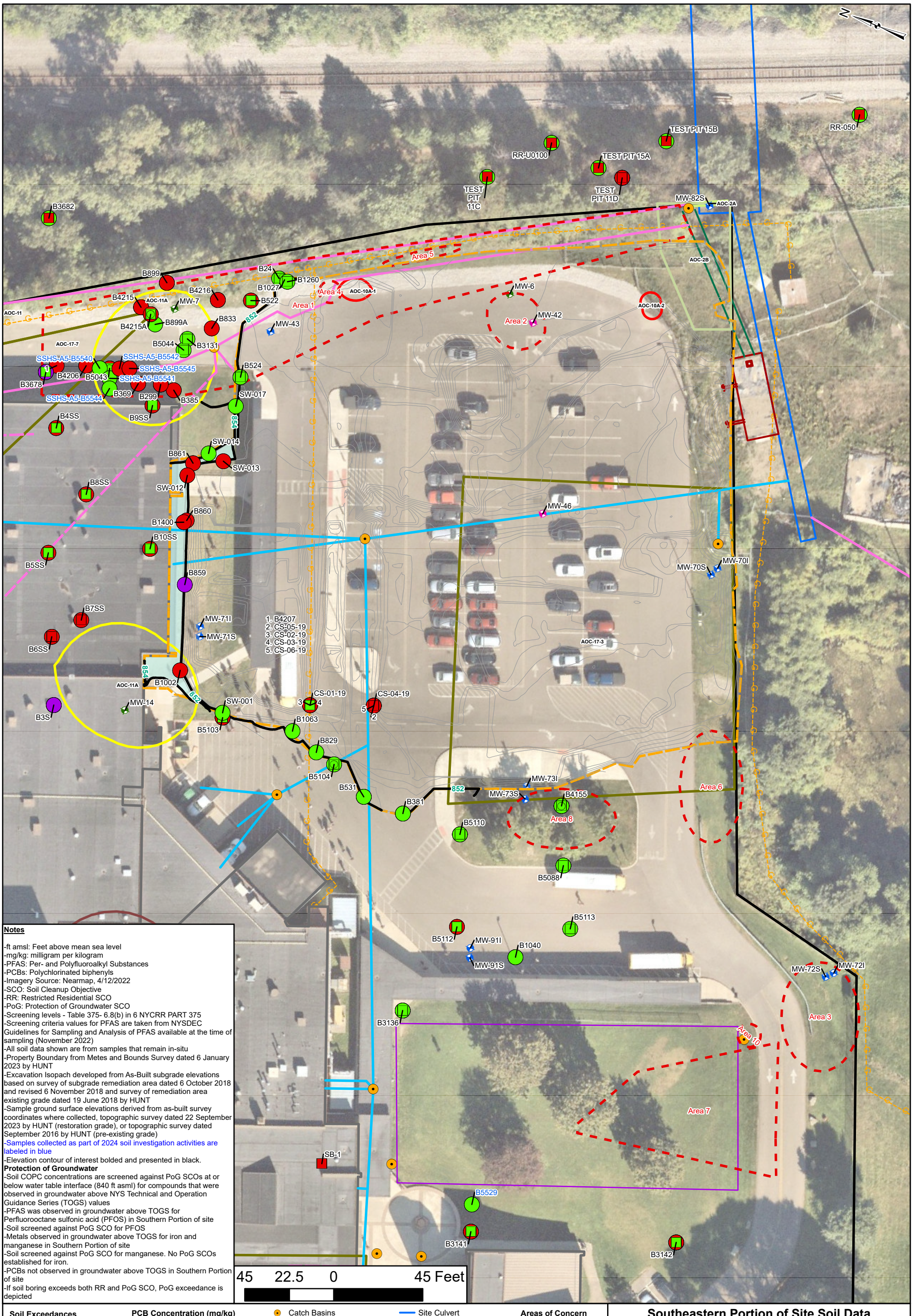
Former Sperry Remington - North Portion #c808022
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Figure 5D

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (854-852 ft amsl)

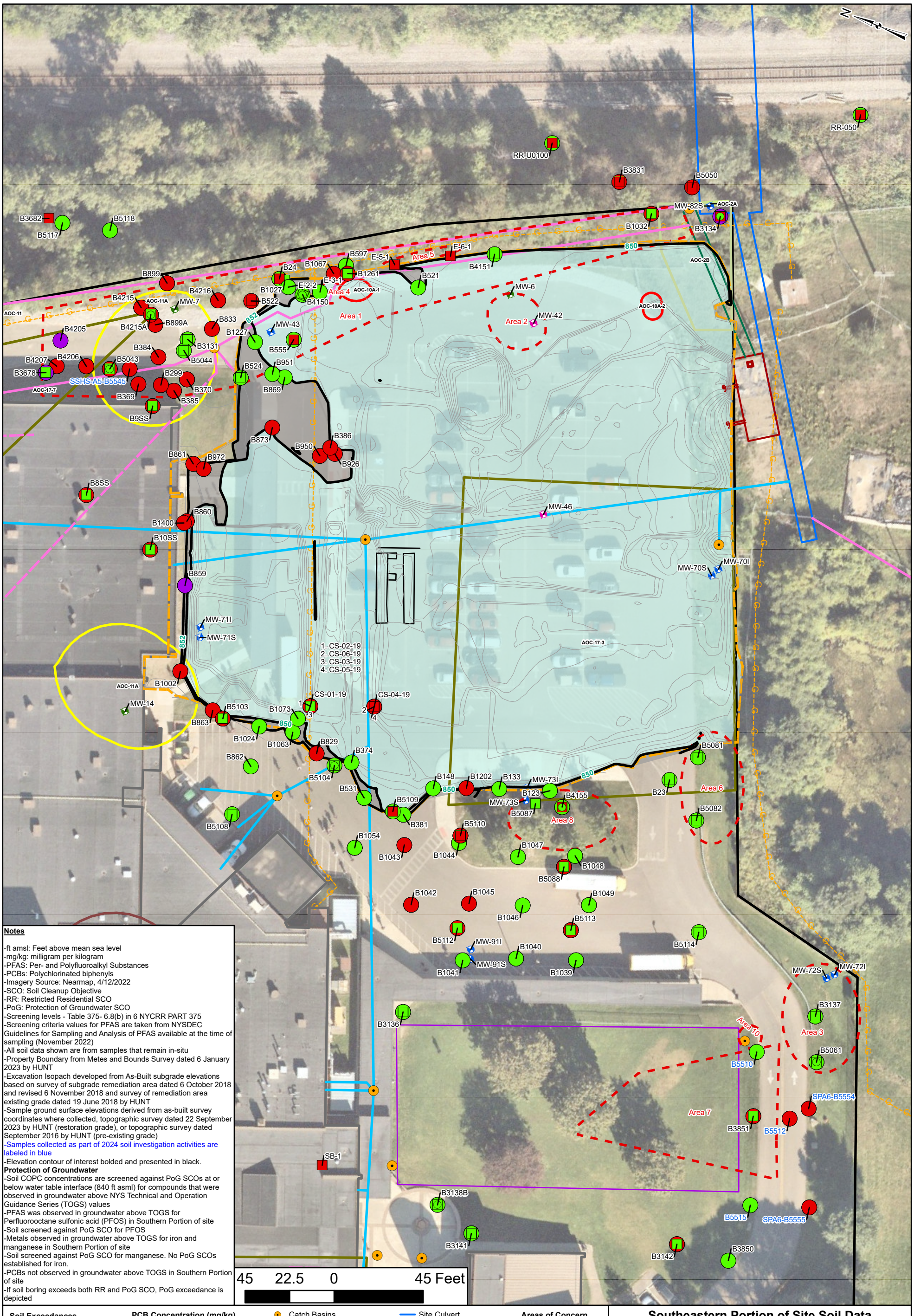
Former Sperry Remington - North Portion #c808022
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Figure 5E

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (852-850 ft amsl)

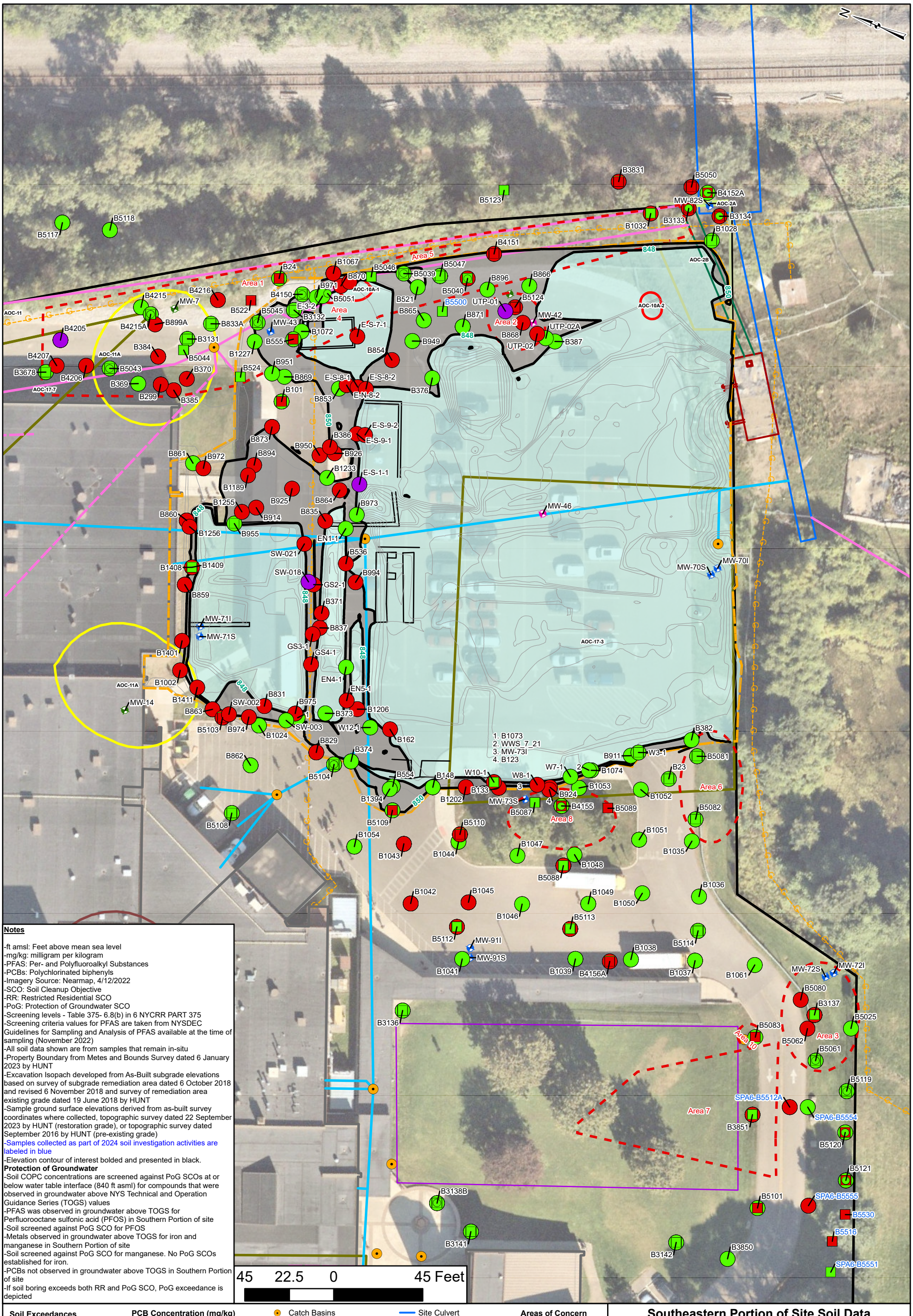
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Figure 5F

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (850-848 ft amsl)

Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 5G

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

1. B5038
2. EN4-3
3. SN4-2
4. ES5-2
5. SN5-1
6. B123
7. MW-73I

45 22.5 0 45 Feet

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (848-846 ft amsl)

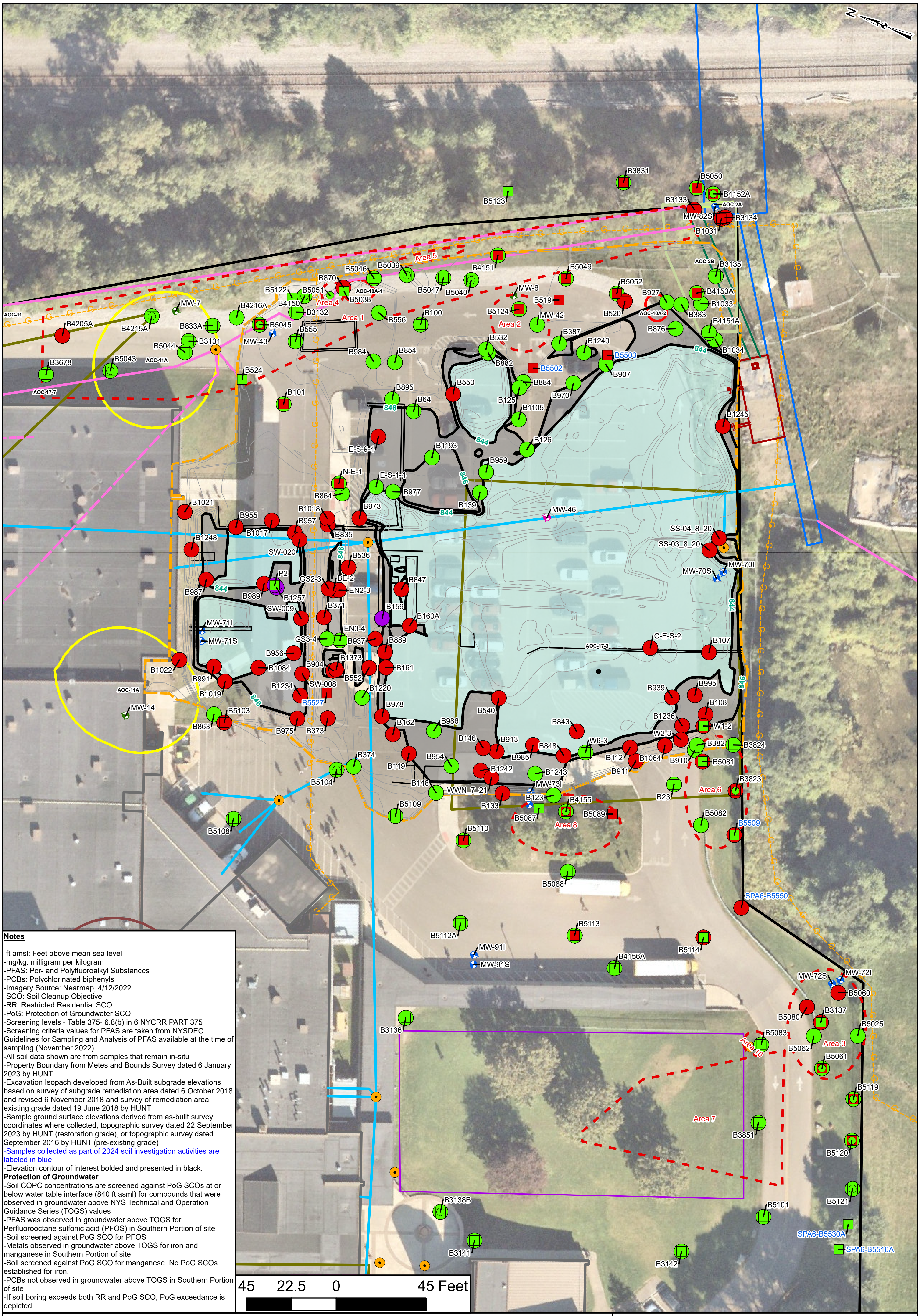
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 5H

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- ● Does Not Exceed Screening Criteria
- ● Exceeds RR Screening Criteria

Sitewide Samples
- ● PFAS
- ■ Metals
- ● PCBs

PCB Concentration (mg/kg)
- ● <1
- ● >1 - <50
- ● >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2

- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- ☒ Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- ☐ AOC-1
- ☐ AOC-10A
- ☐ AOC-10D
- ☐ AOC-11A
- ☐ AOC-17
- ☐ AOC-2A
- ☐ AOC-2B

Southeastern Portion of Site Soil Data
PFAS, Metals, PCBs
(846-844 ft amsl)

Former Sperry Remington - North Portion #c808022
Elmira, New York

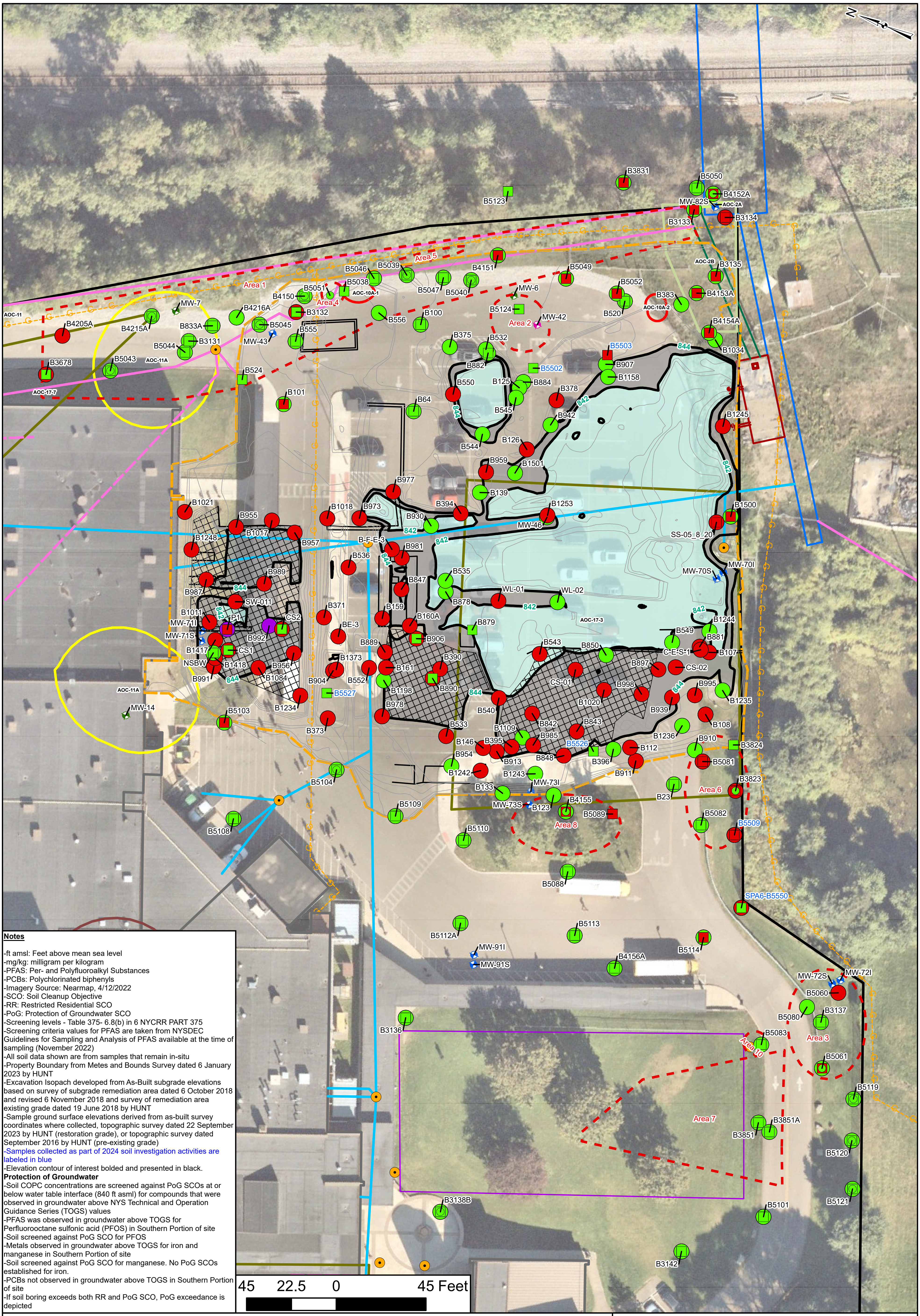
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Pittsburgh, PA | March 2025

Figure

5I

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- 🟢 Does Not Exceed Screening Criteria
- 🔴 Exceeds RR Screening Criteria

Sitewide Samples
- ● PFAS
- ■ Metals
- ● PCBs

PCB Concentration (mg/kg)
- 🟢 <1
- 🔴 >1 - <50
- 🟣 >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2

- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- ▨ Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data
PFAS, Metals, PCBs
(844-842 ft amsl)

Former Sperry Remington - North Portion #c808022
Elmira, New York

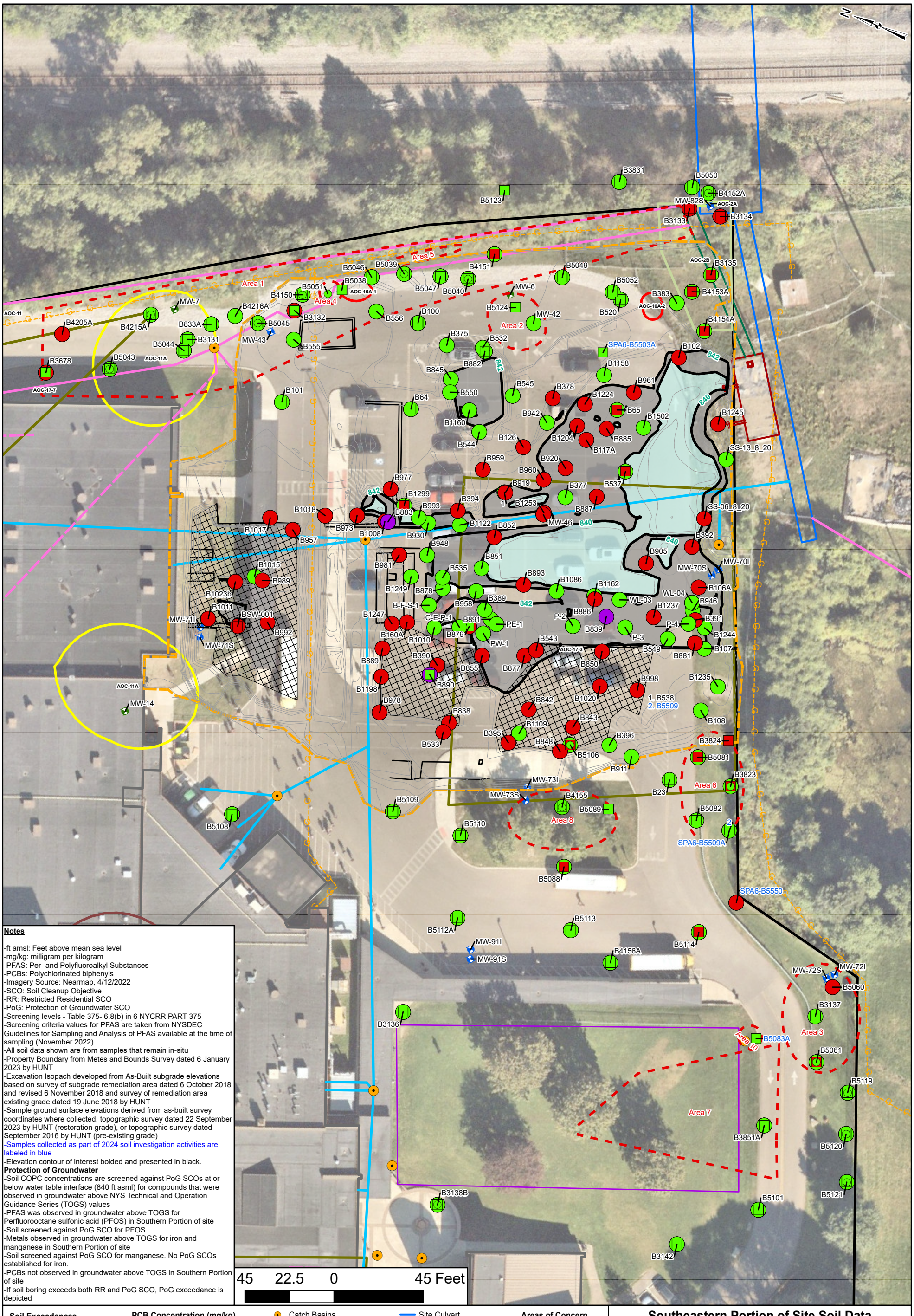
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Figure

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (842-840 ft amsl)

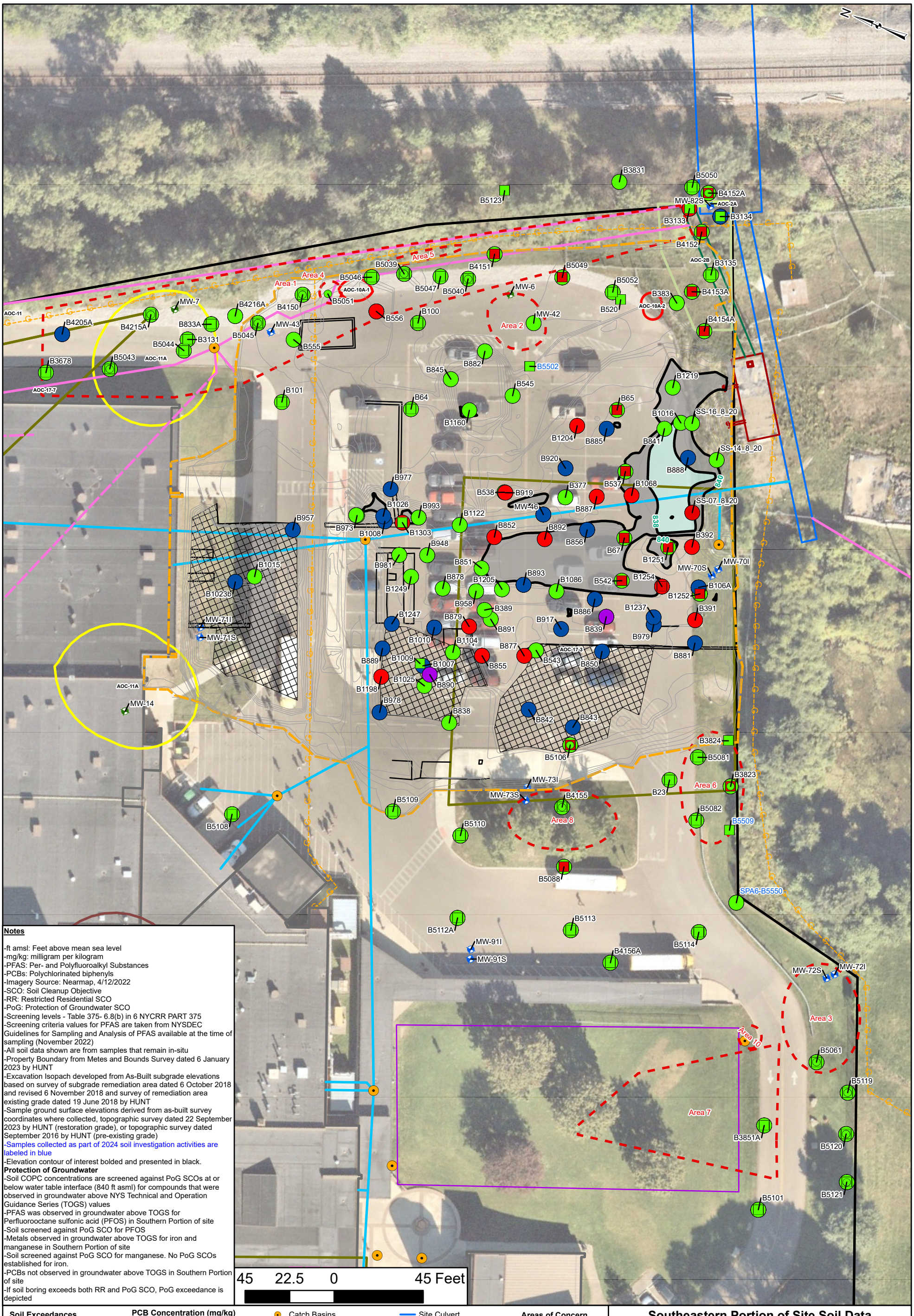
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 5K

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (840-838 ft amsl)

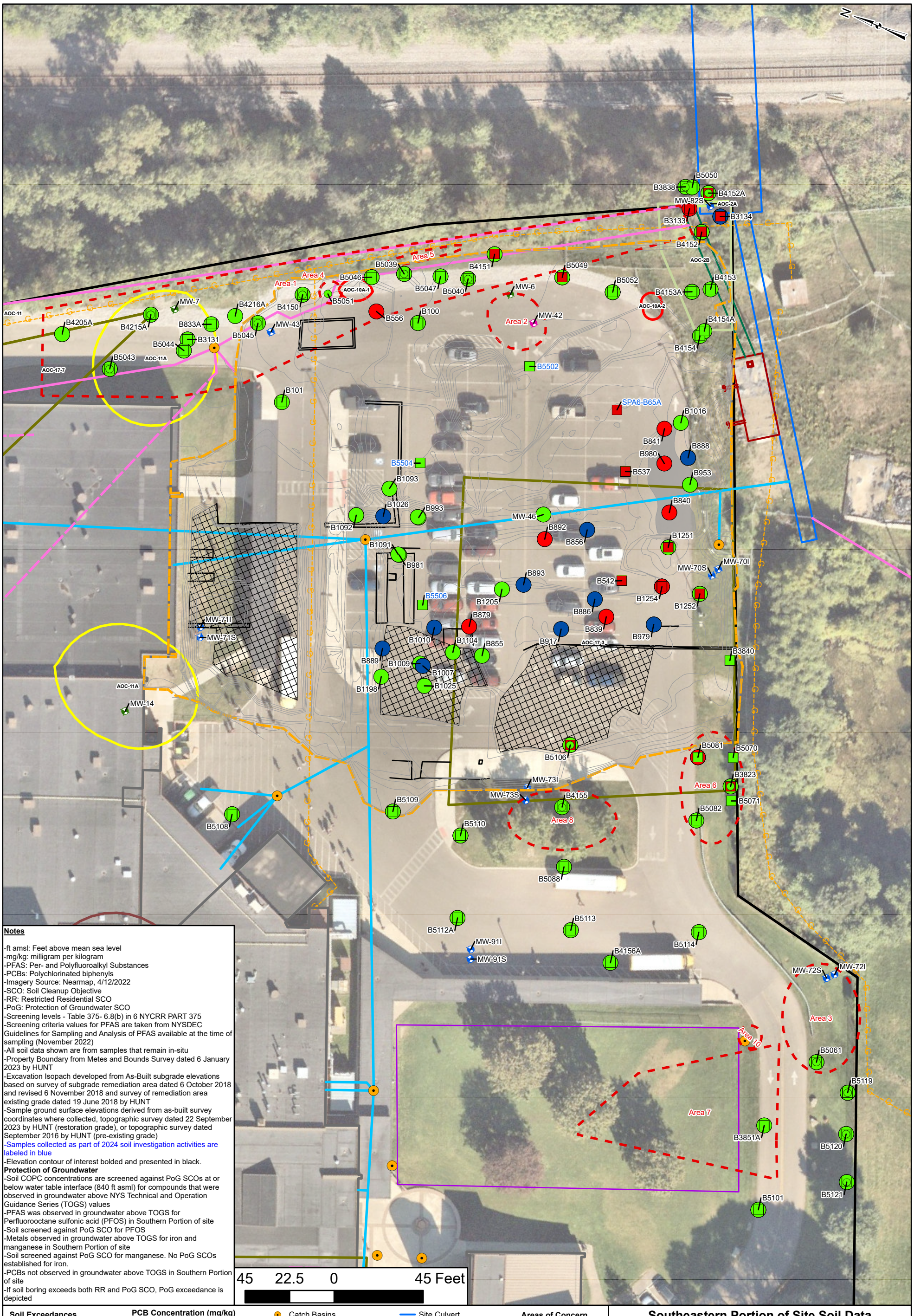
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 5L

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (838-836 ft amsl)

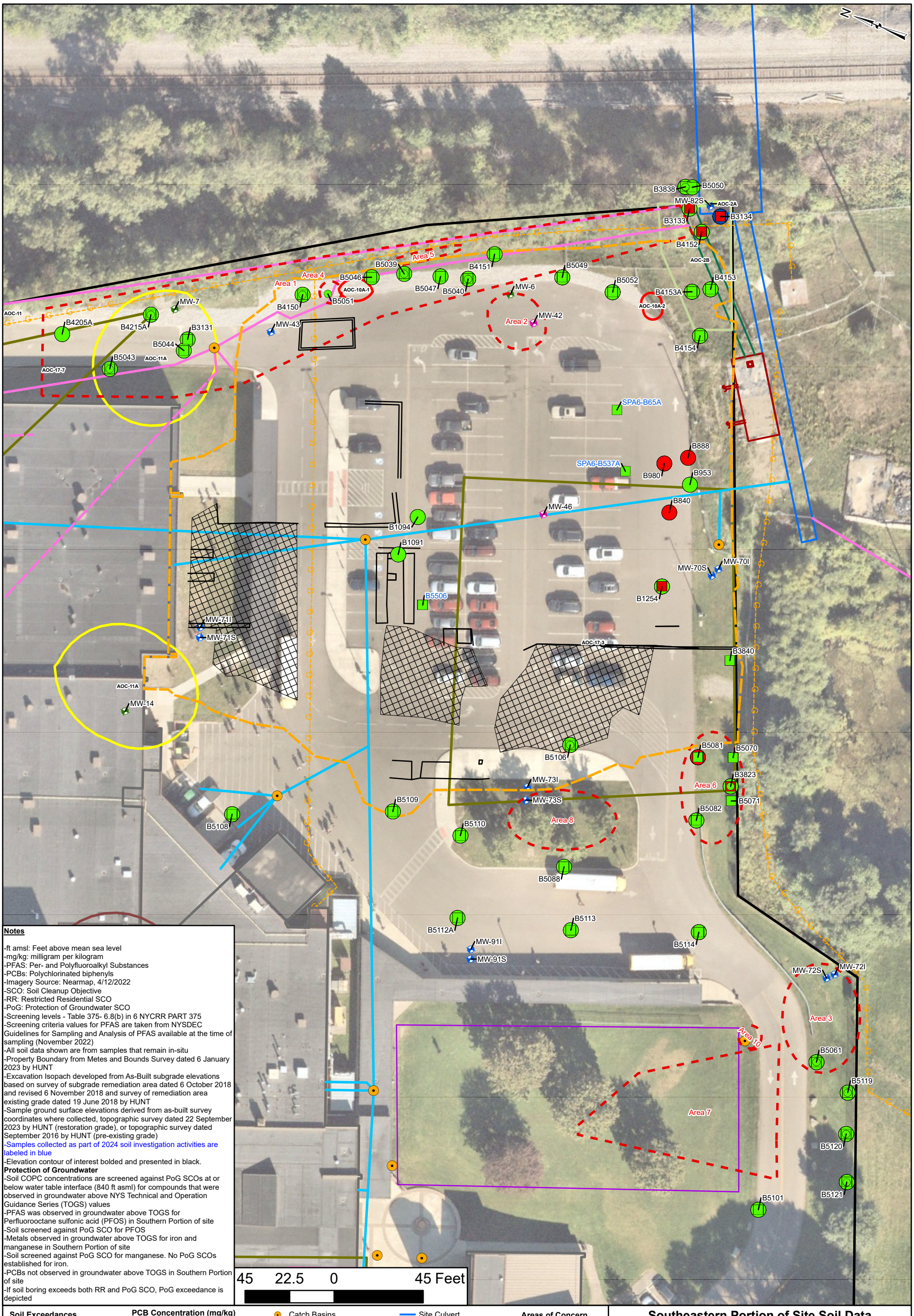
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 5M

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (836-834 ft amsl)

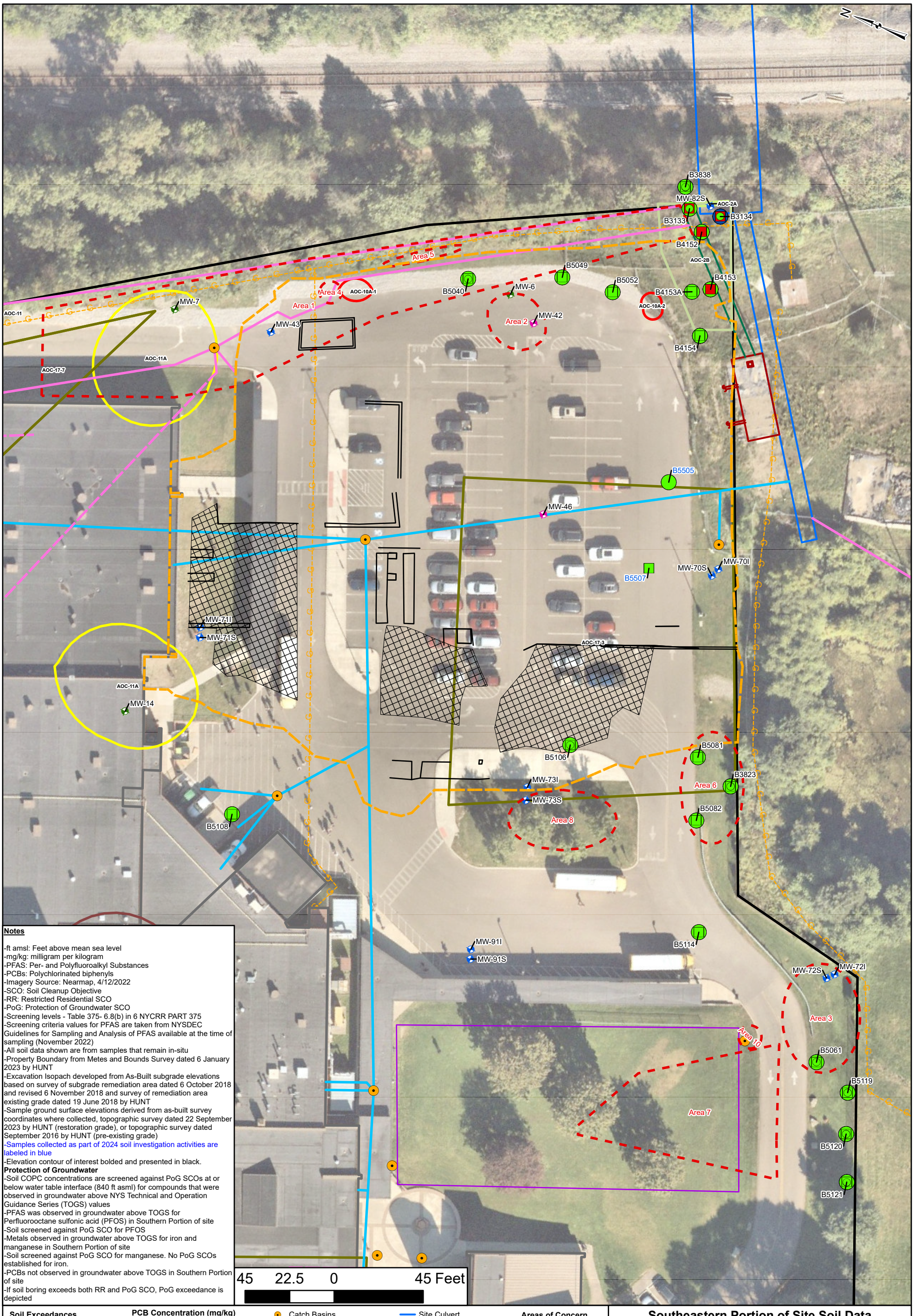
Former Sperry Remington - North Portion #c808022
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Figure 5N

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (834-832 ft amsl)

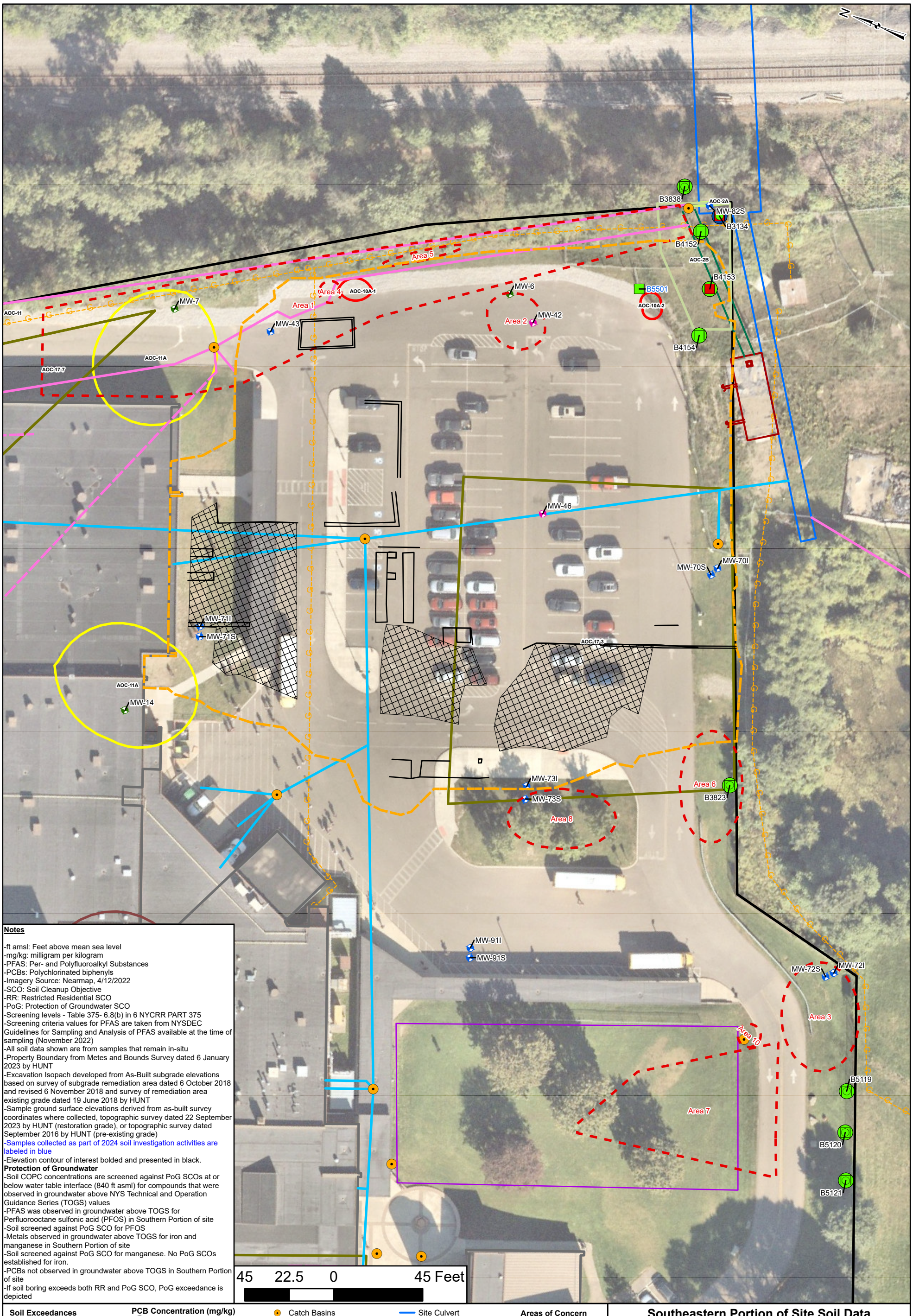
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 5O

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Concrete Features
- Elevation Contour
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint
- Buried Concrete Slab
- Excavated
- Excavation Bottom

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (832-830 ft amsl)

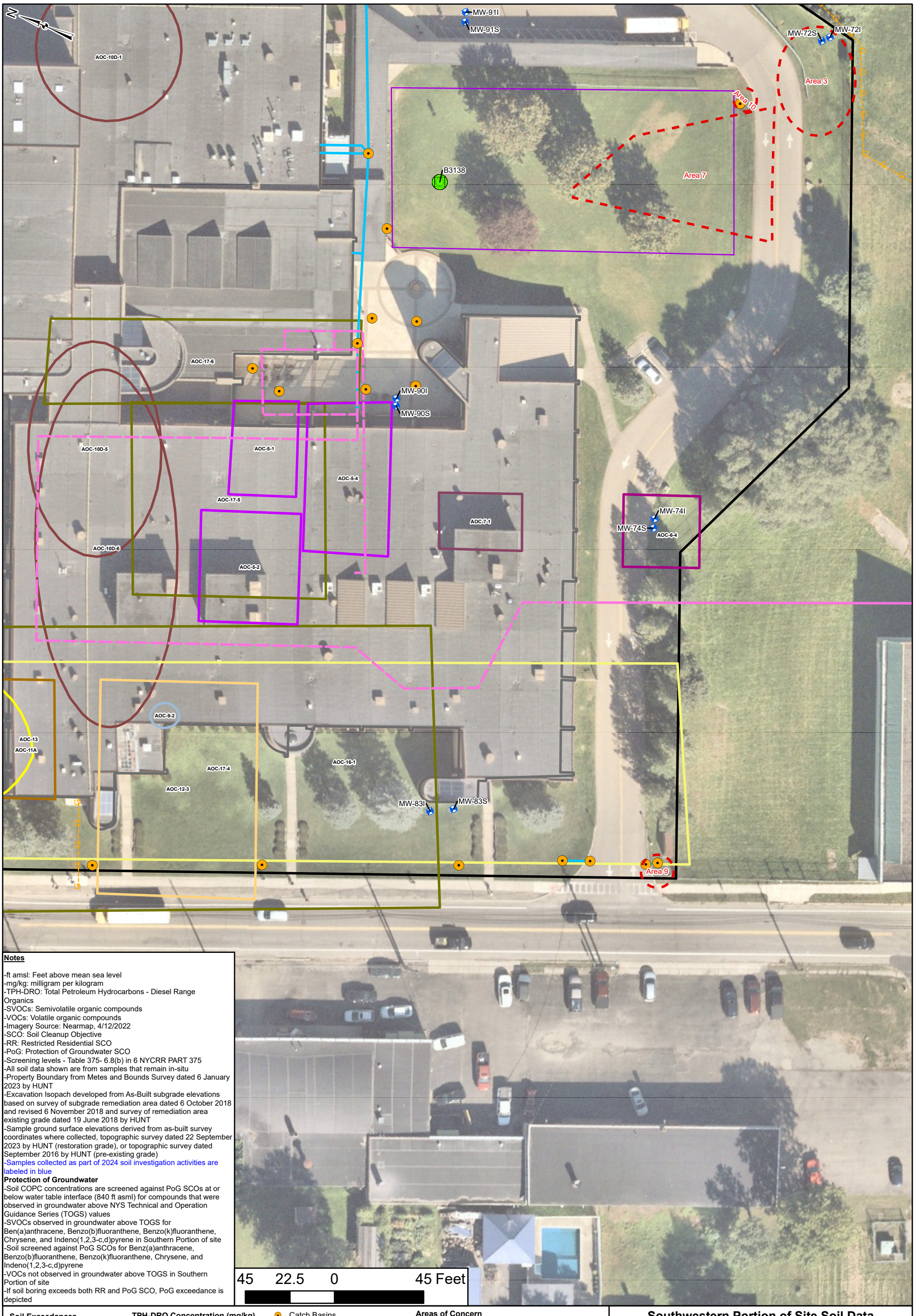
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Elmira, New York

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Figure 5P

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (862-860 ft amsl)

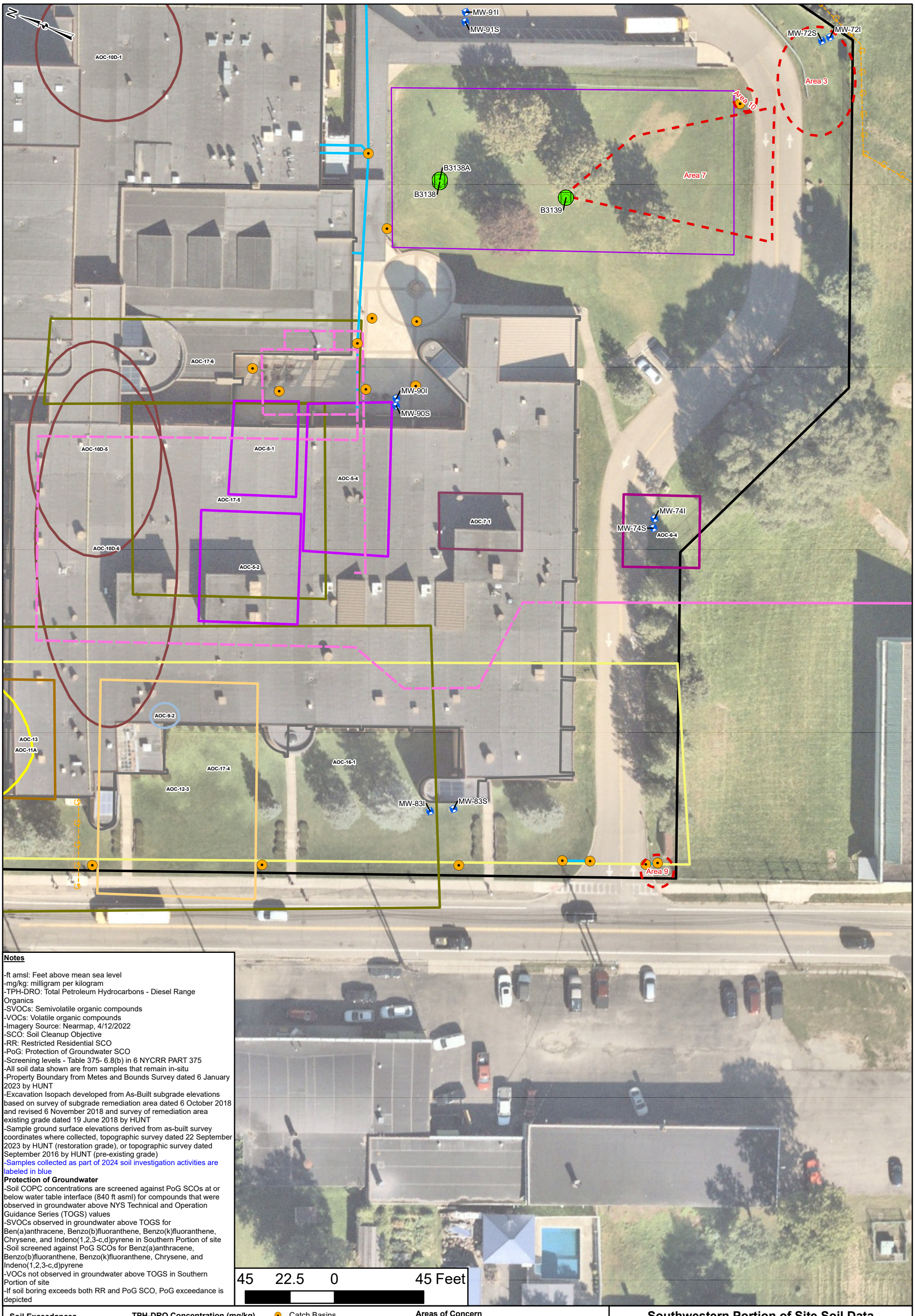
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Elmira, New York

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Figure 6A

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
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-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (860-858 ft amsl)

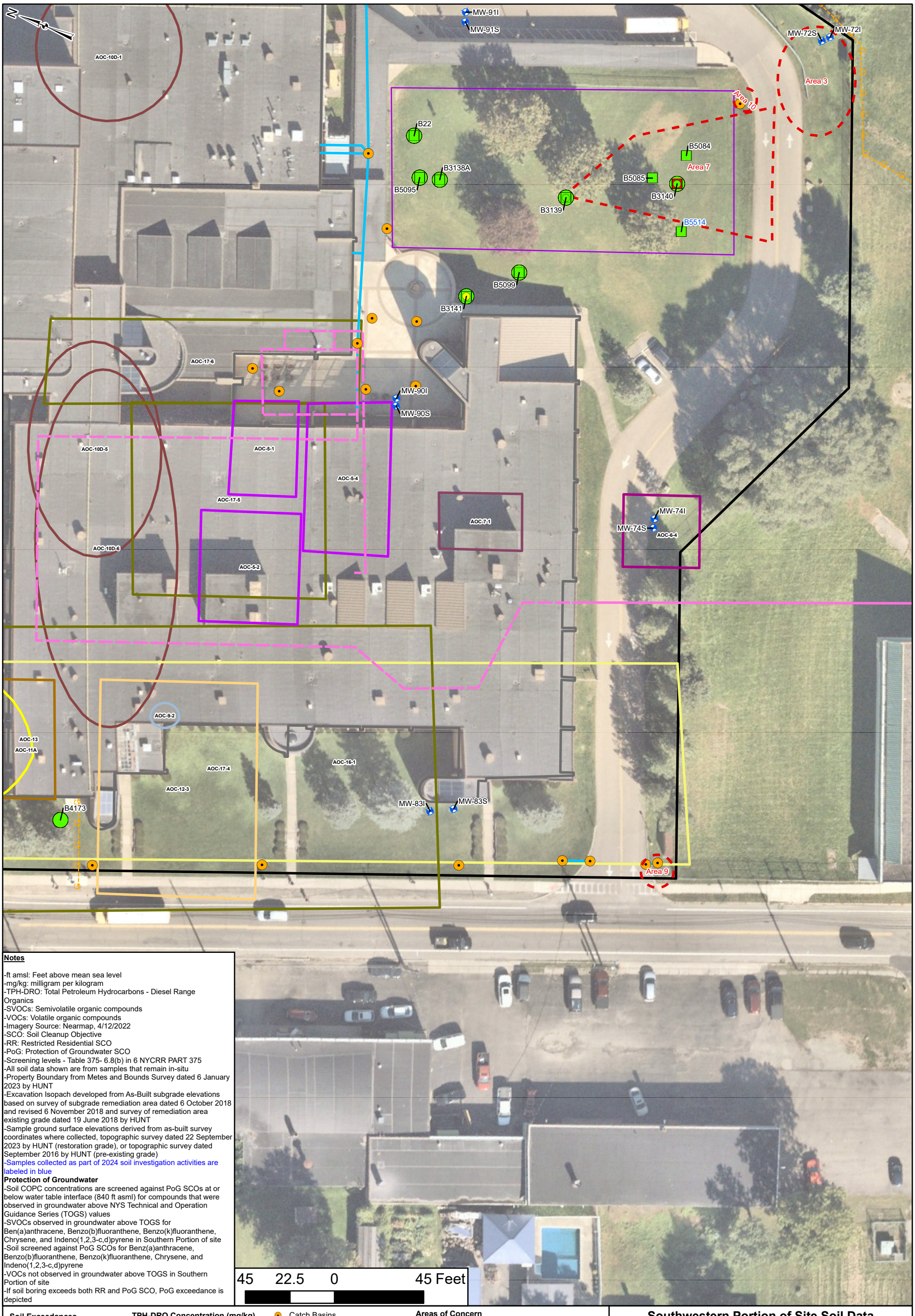
Former Sperry Remington - North Portion #c808022
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Figure 6B

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (858-856 ft amsl)

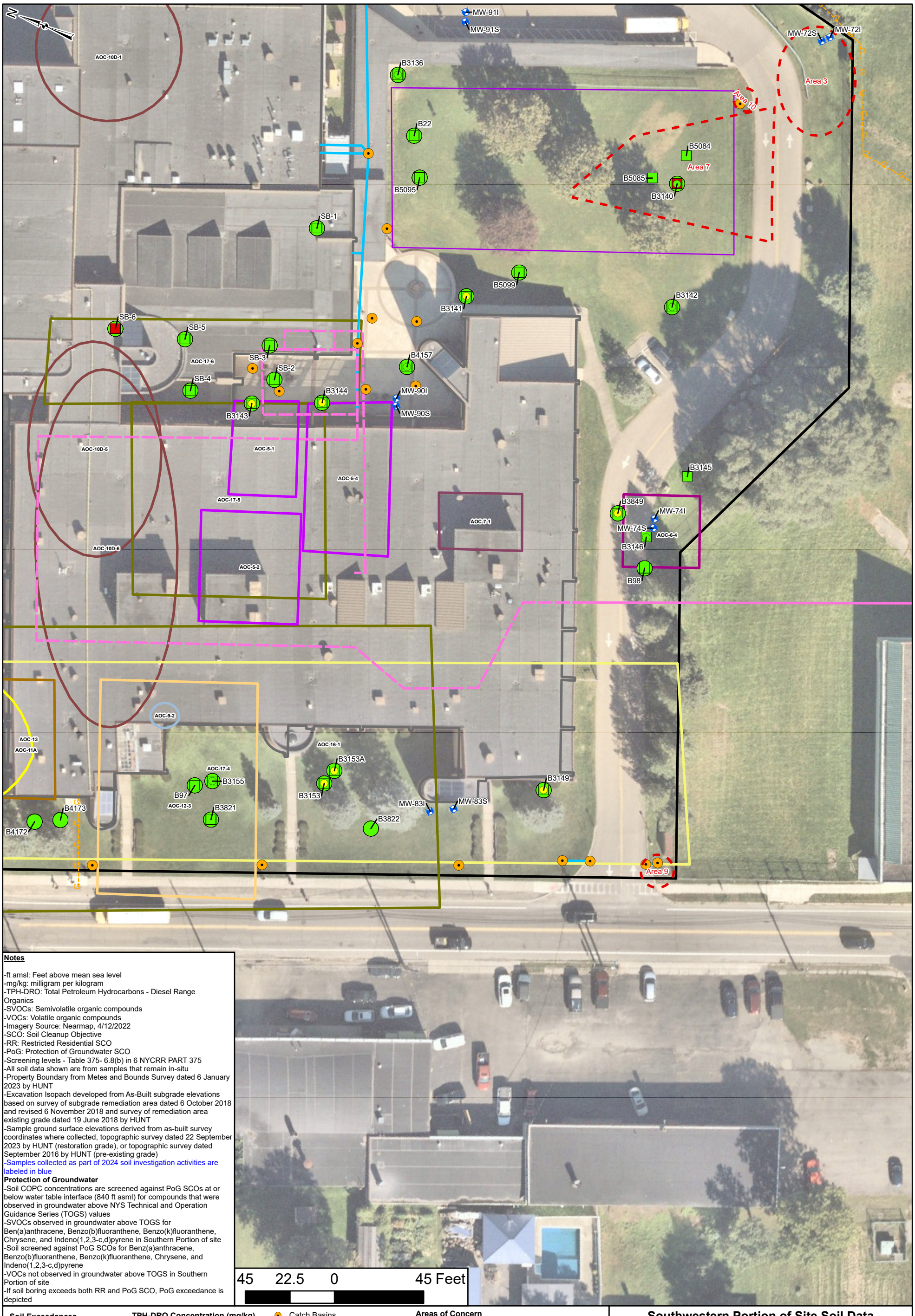
Former Sperry Remington - North Portion #c808022
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Figure 6C

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (856-854 ft amsl)

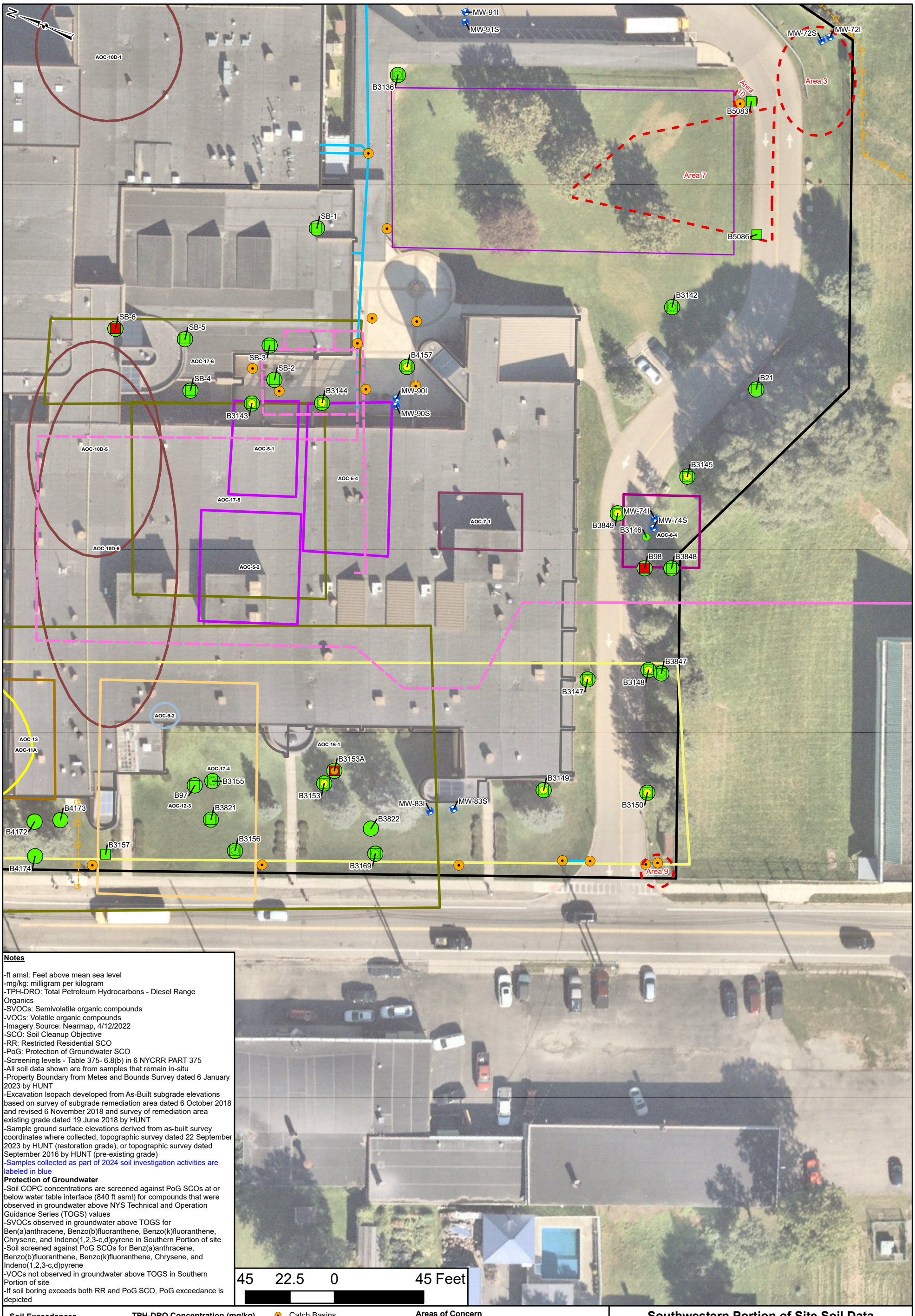
Former Sperry Remington - North Portion #c808022
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Figure 6D

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (854-852 ft amsl)

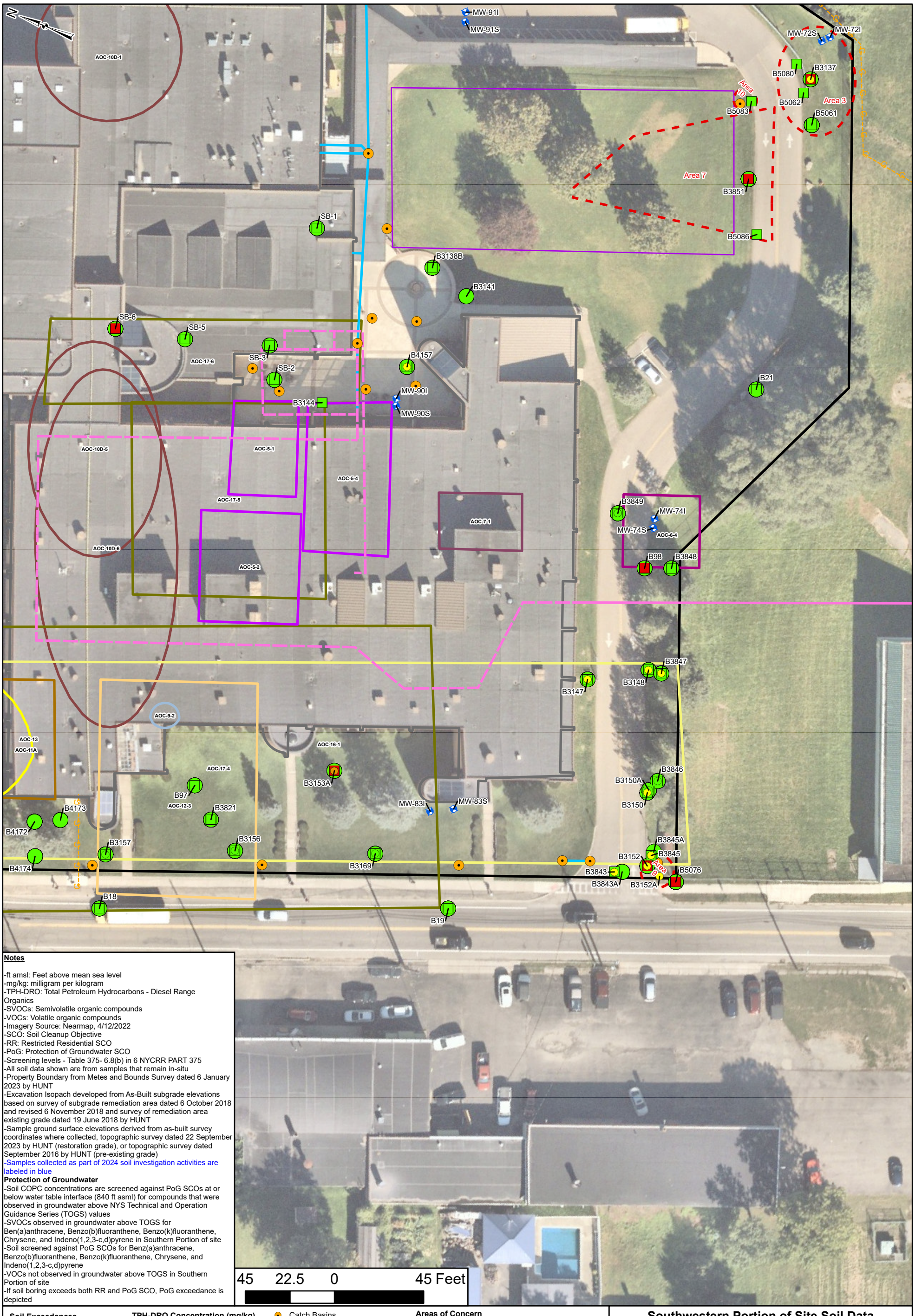
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6E

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (852-850 ft amsl)

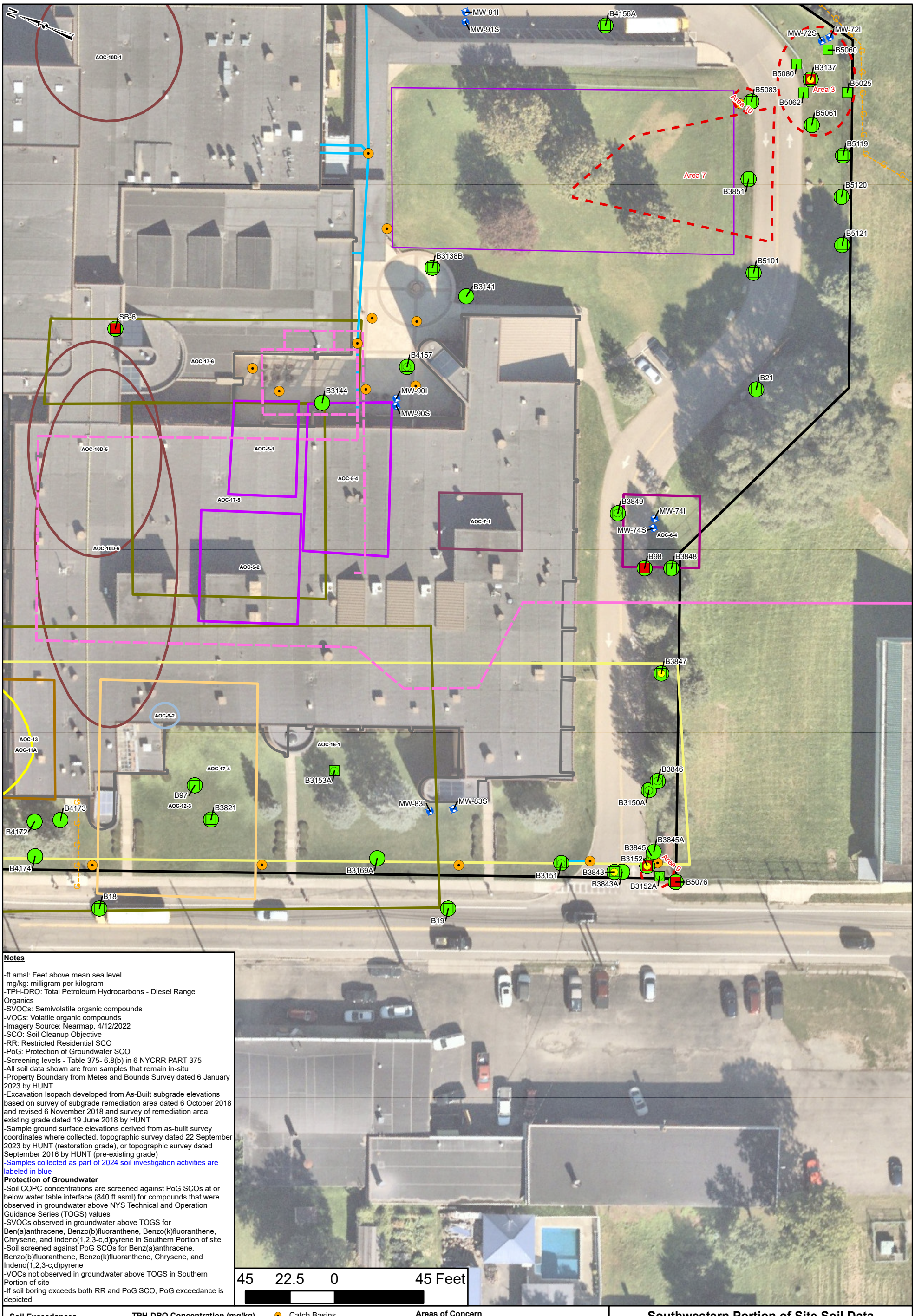
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6F

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (850-848 ft amsl)

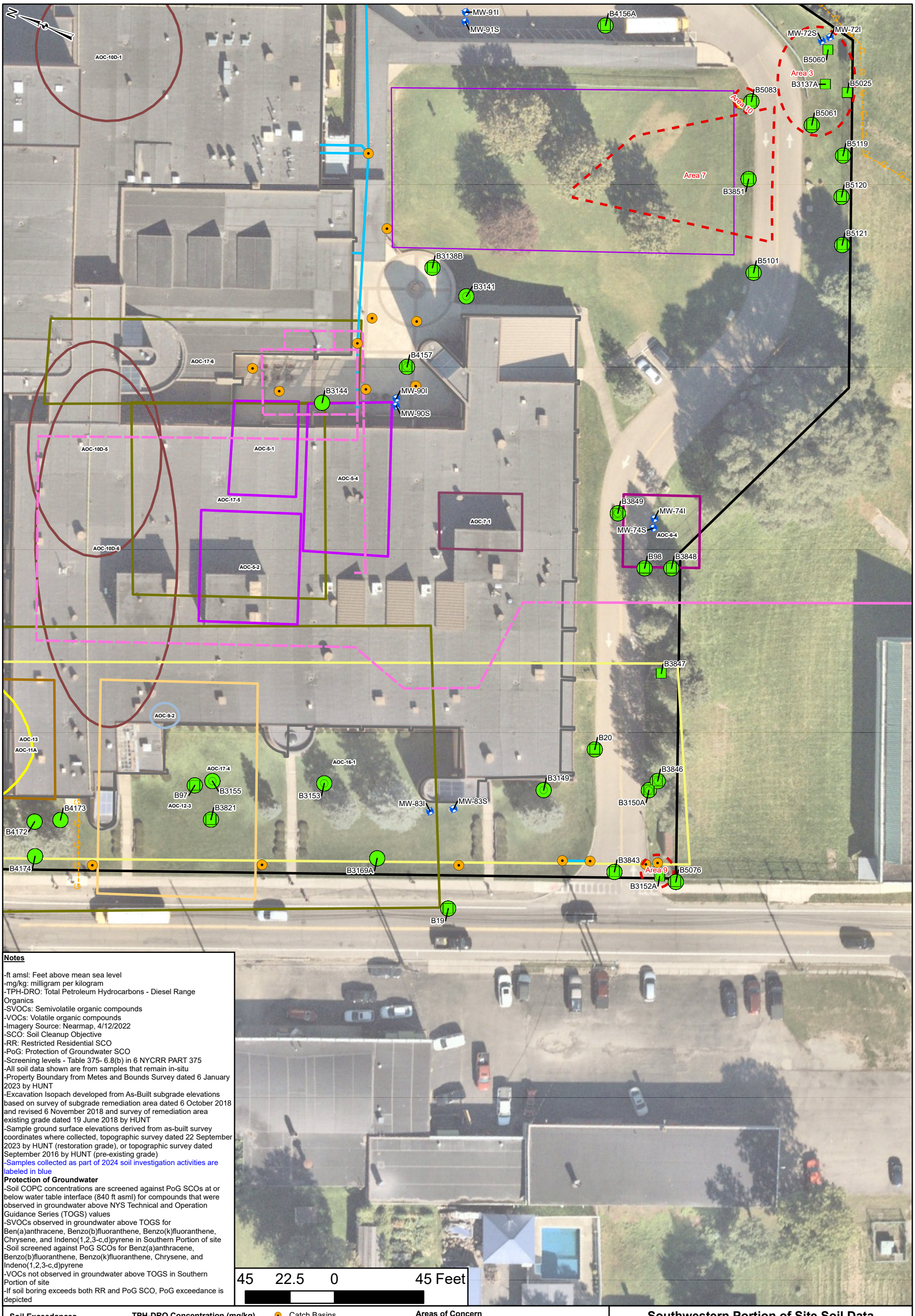
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6G

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (848-846 ft amsl)

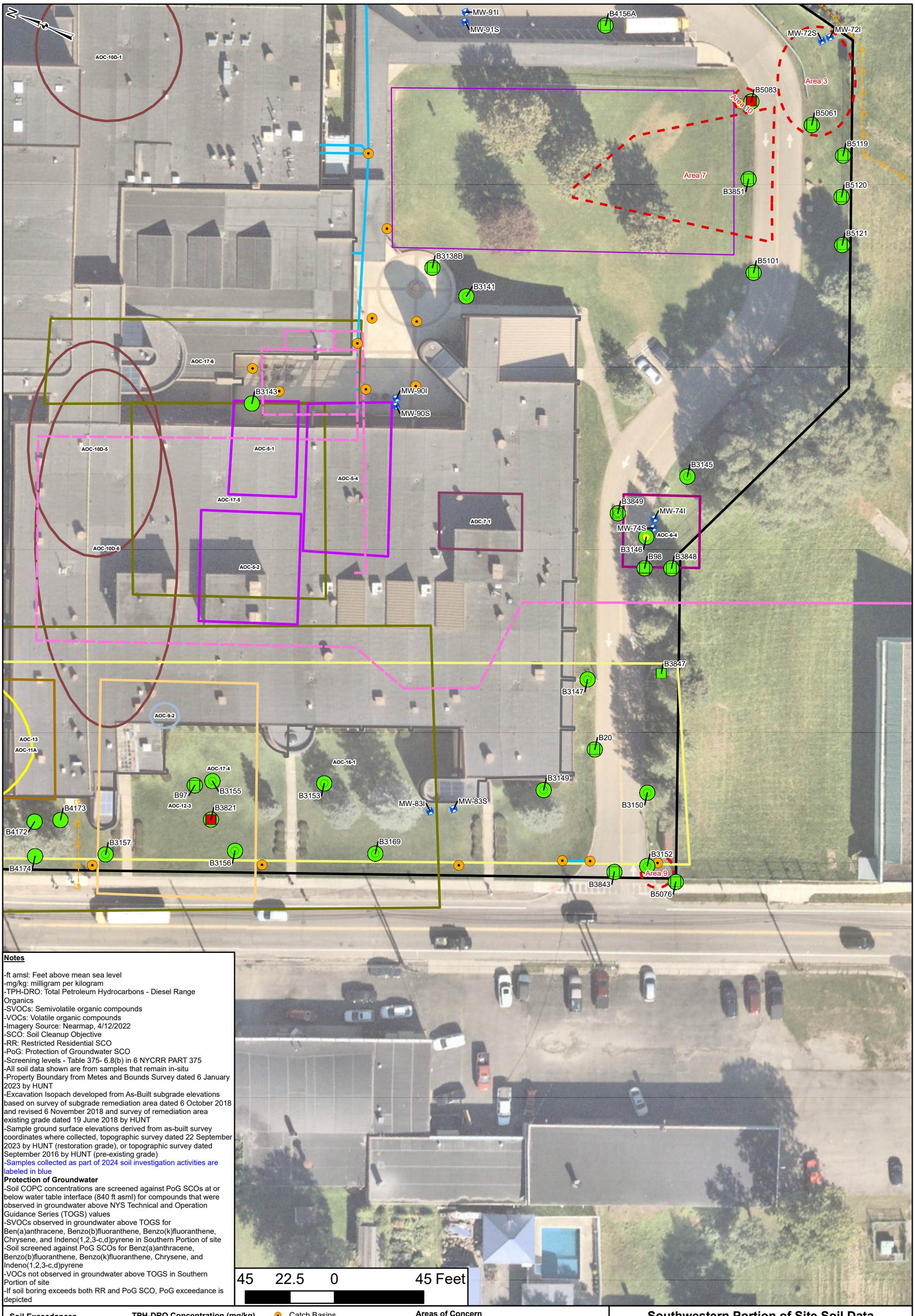
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6H

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (846-844 ft amsl)

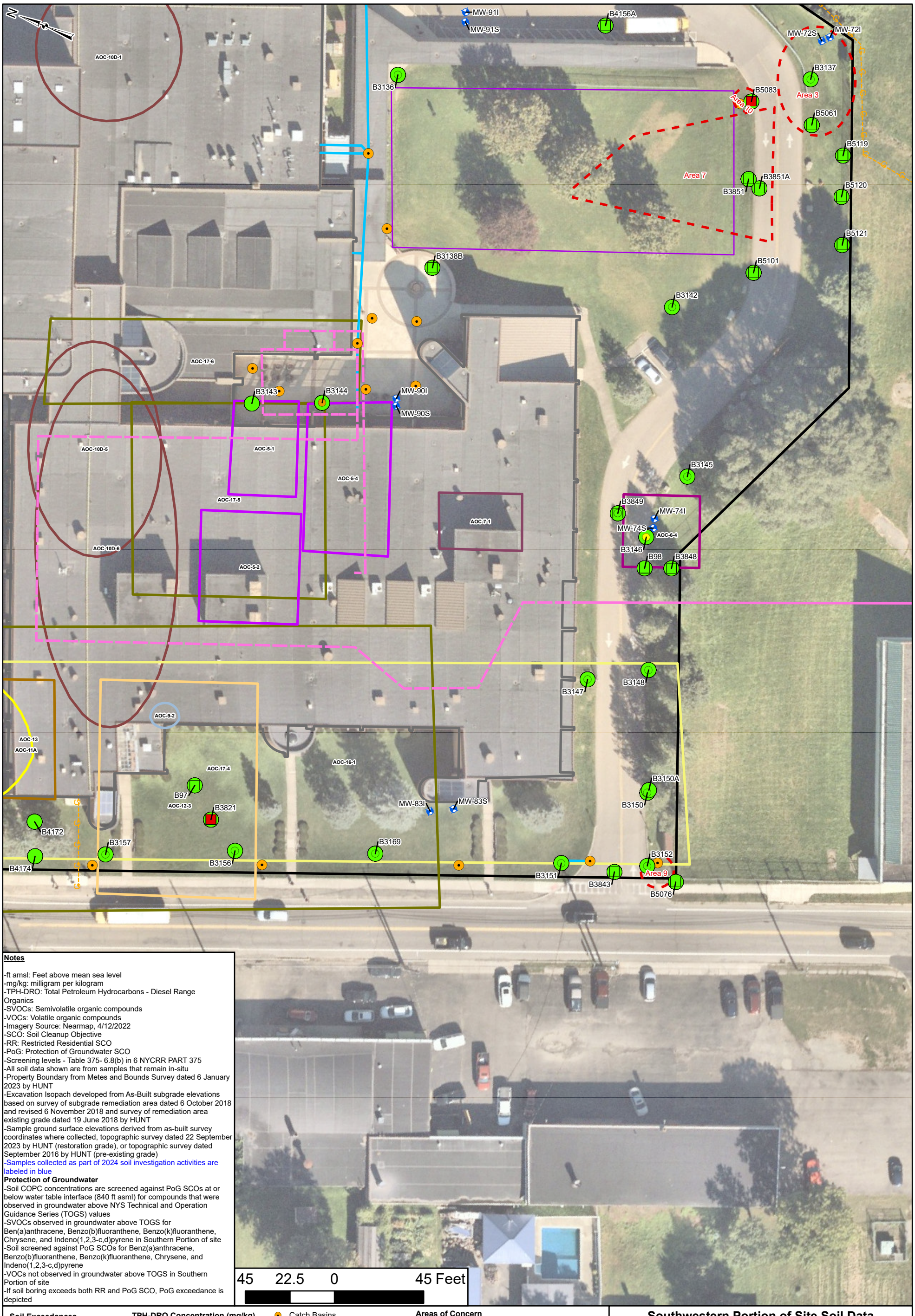
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6I

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (844-842 ft amsl)

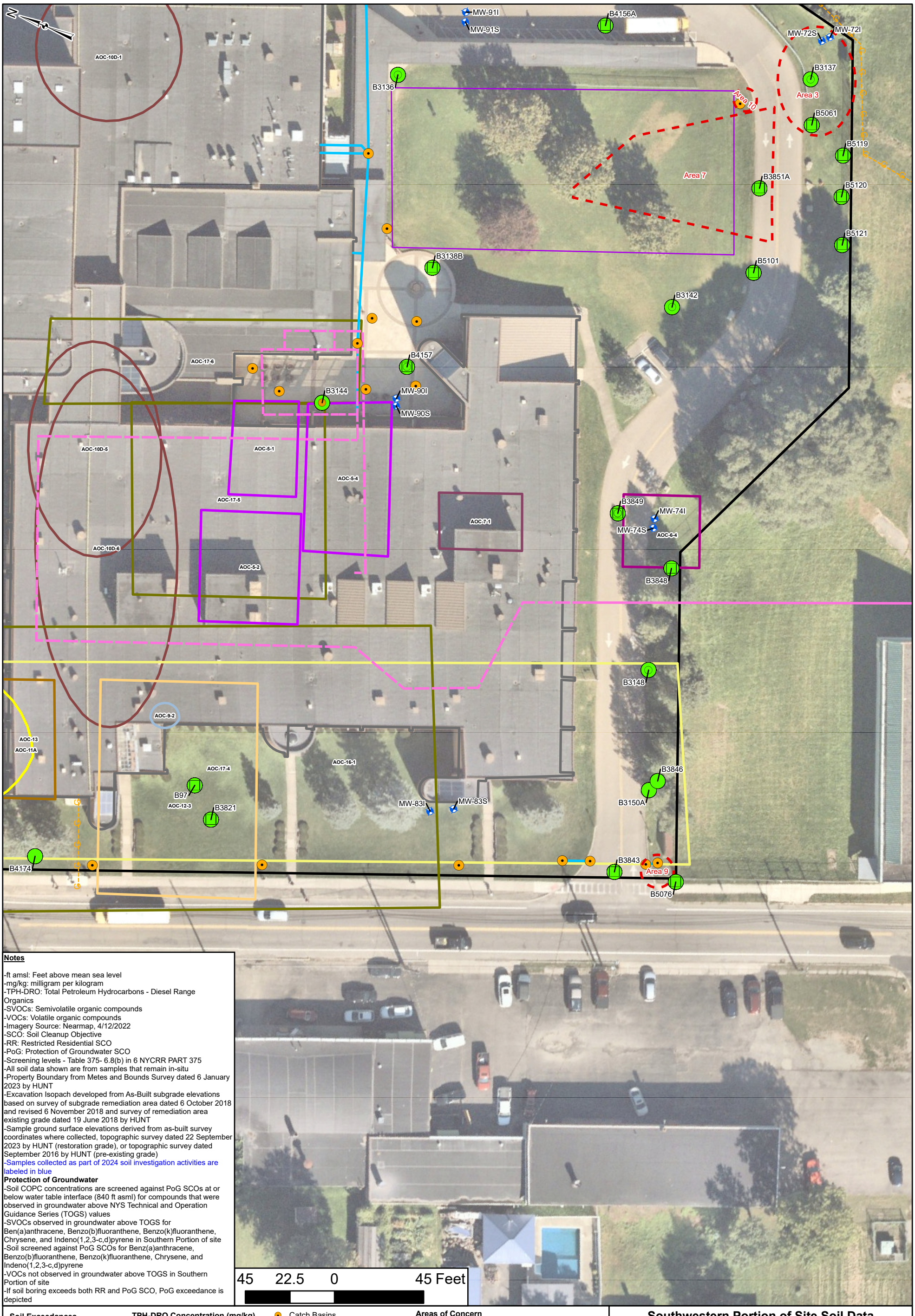
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6J

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (842-840 ft amsl)

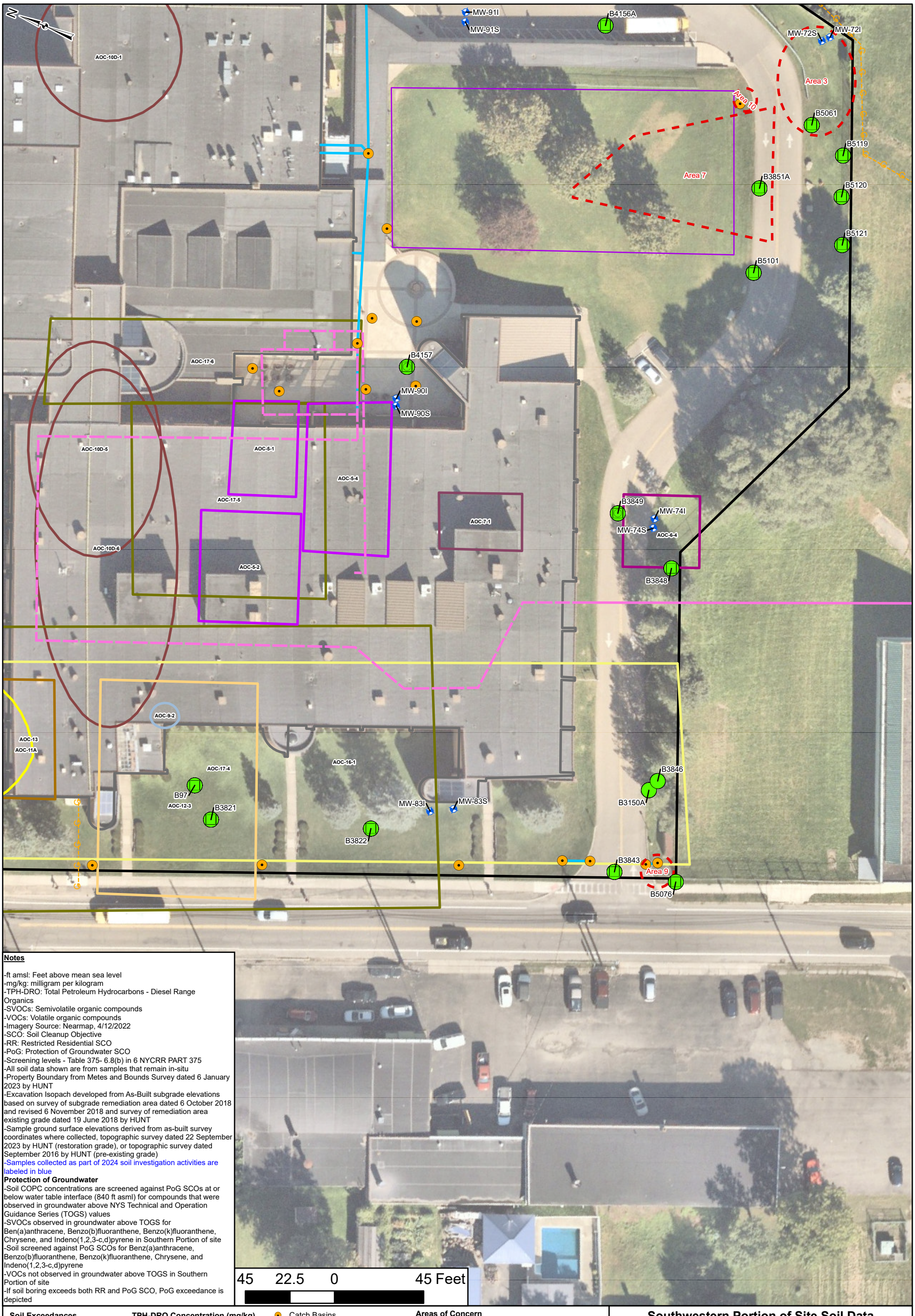
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6K

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances

- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples

- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)

- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern

- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (840-838 ft amsl)

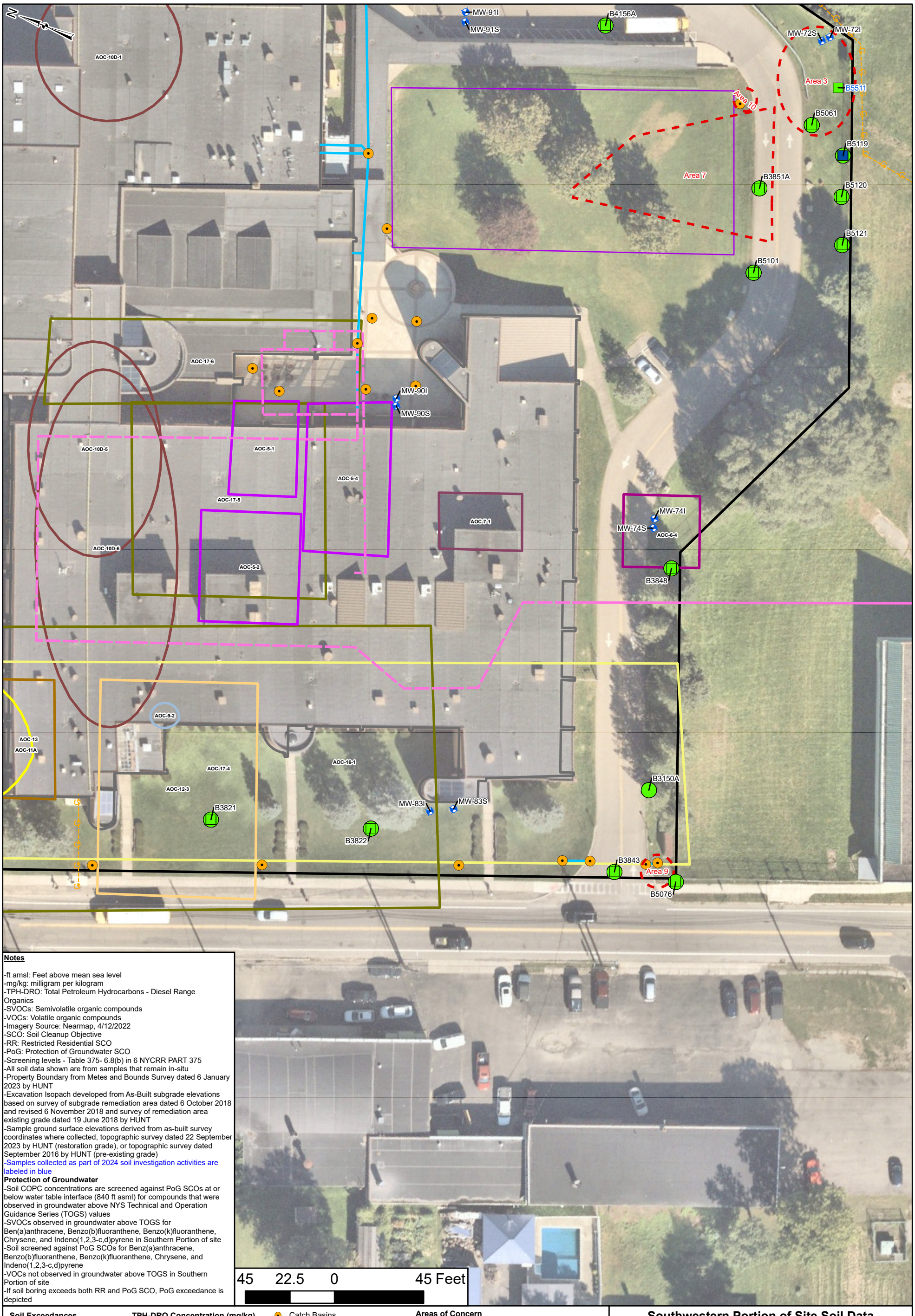
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6L

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SW.aprx; Date: 19-Mar-2025;



Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances

- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples

- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)

- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern

- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (838-836 ft amsl)

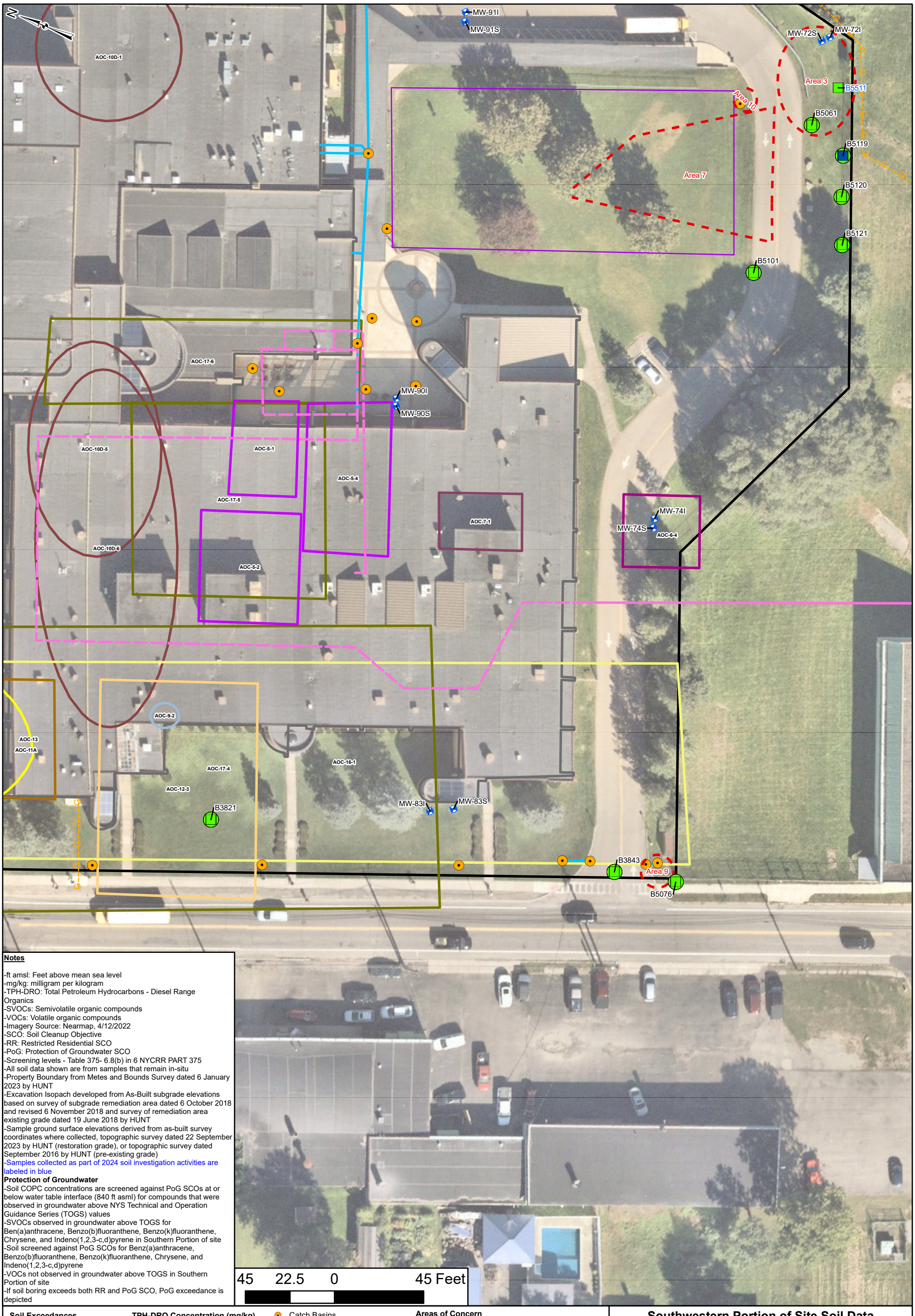
Former Sperry Remington - North Portion #c808022
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Figure 6M

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances

- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples

- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)

- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern

- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (836-834 ft amsl)

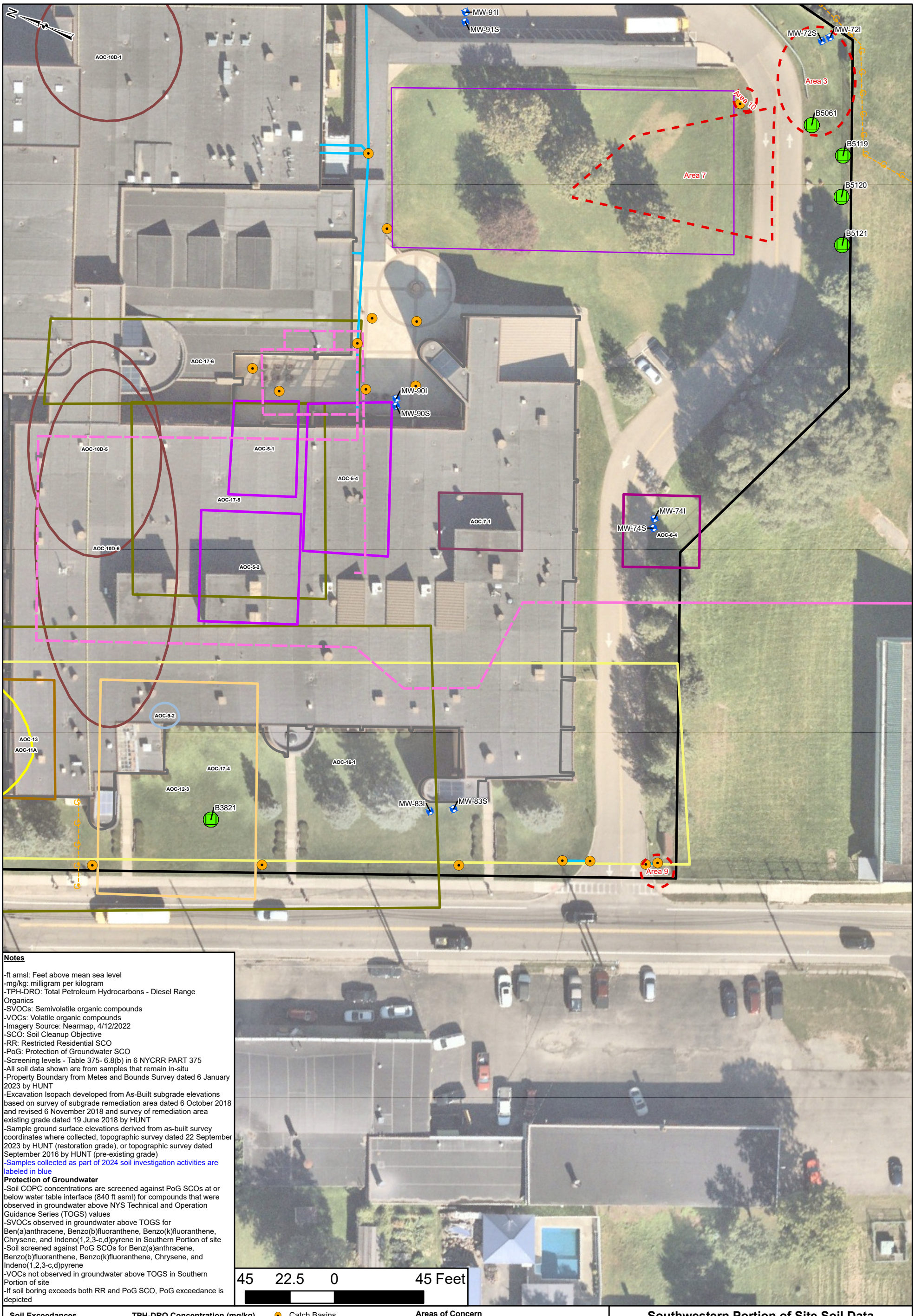
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6N

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances

- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples

- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)

- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern

- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (834-832 ft amsl)

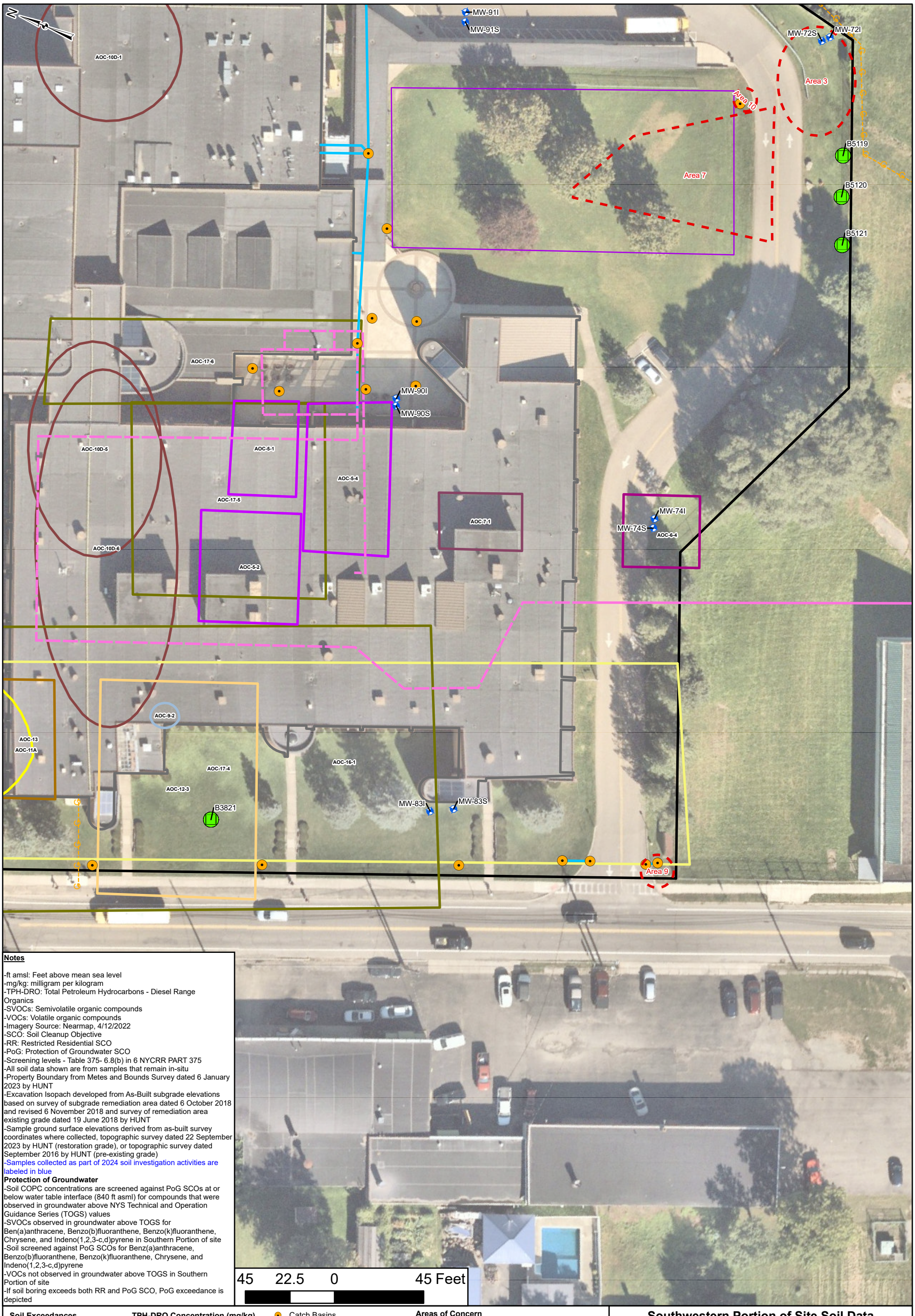
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6O

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-SVOCs observed in groundwater above TOGS for Ben(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene in Southern Portion of site
-Soil screened against PoG SCOs for Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, and Indeno(1,2,3-c,d)pyrene
-VOCs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances

- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples

- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)

- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern

- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (832-830 ft amsl)

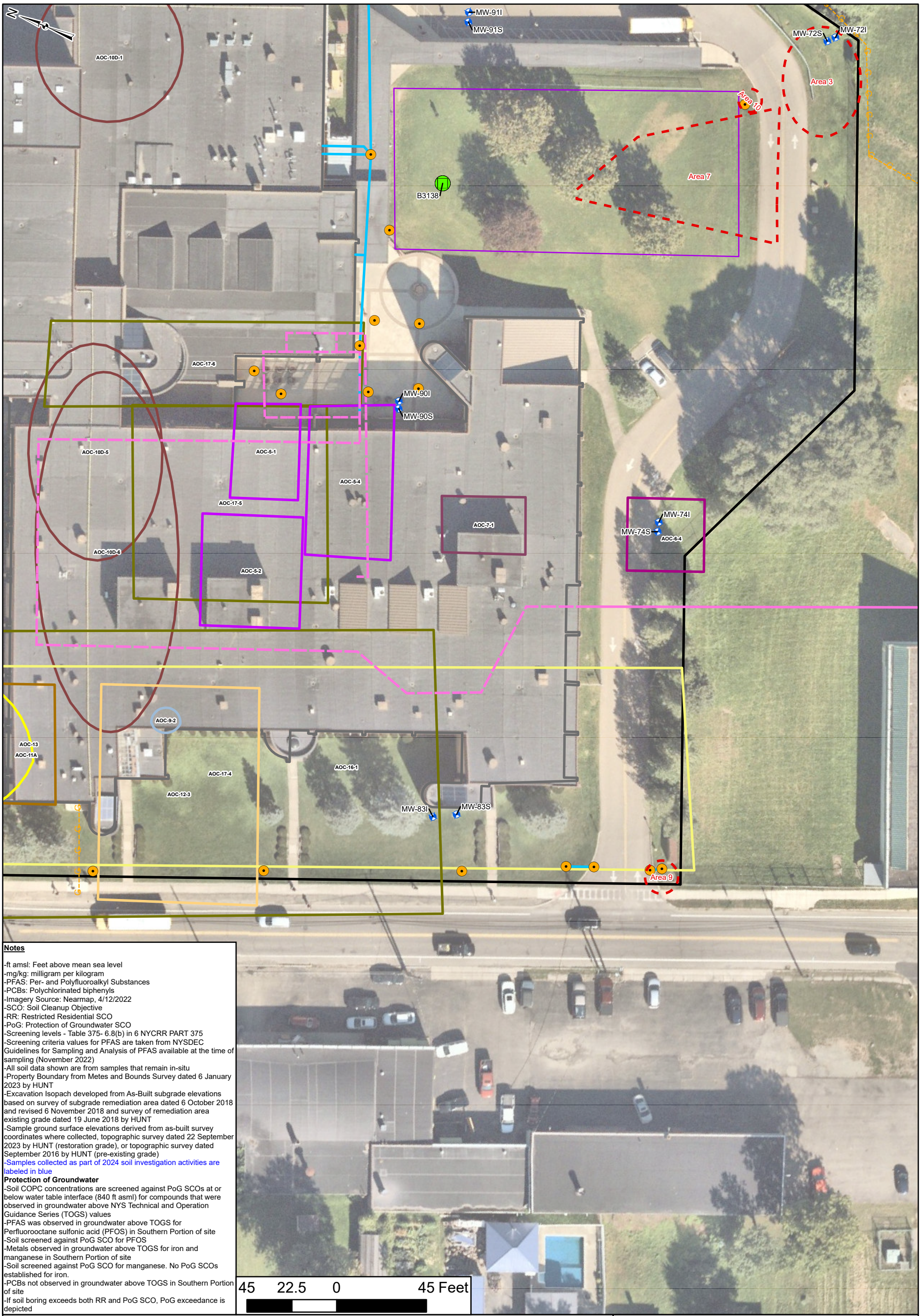
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 6P

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (862-860 ft amsl)

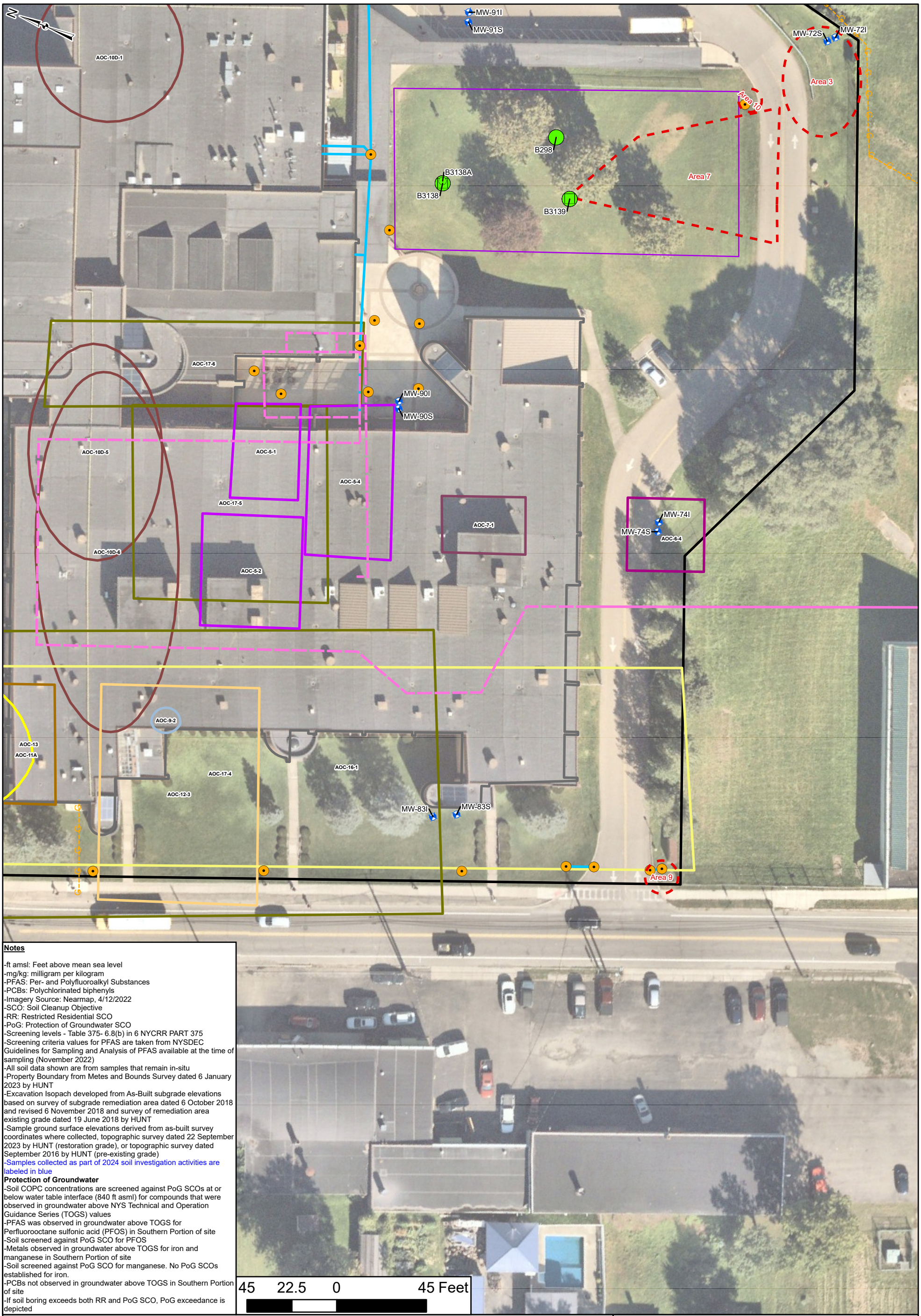
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7A

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (860-858 ft amsl)

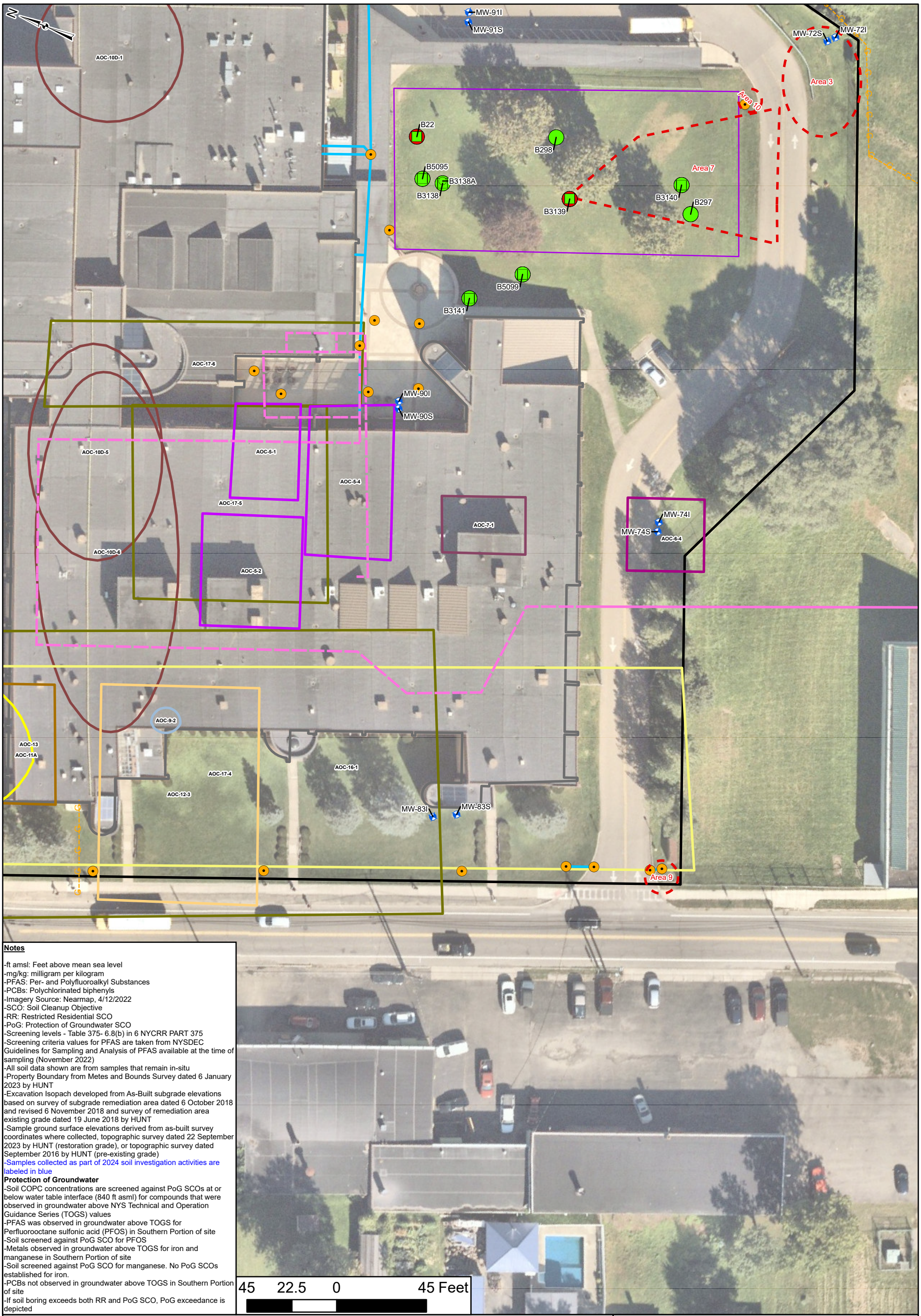
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Figure 7B

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (858-856 ft amsl)

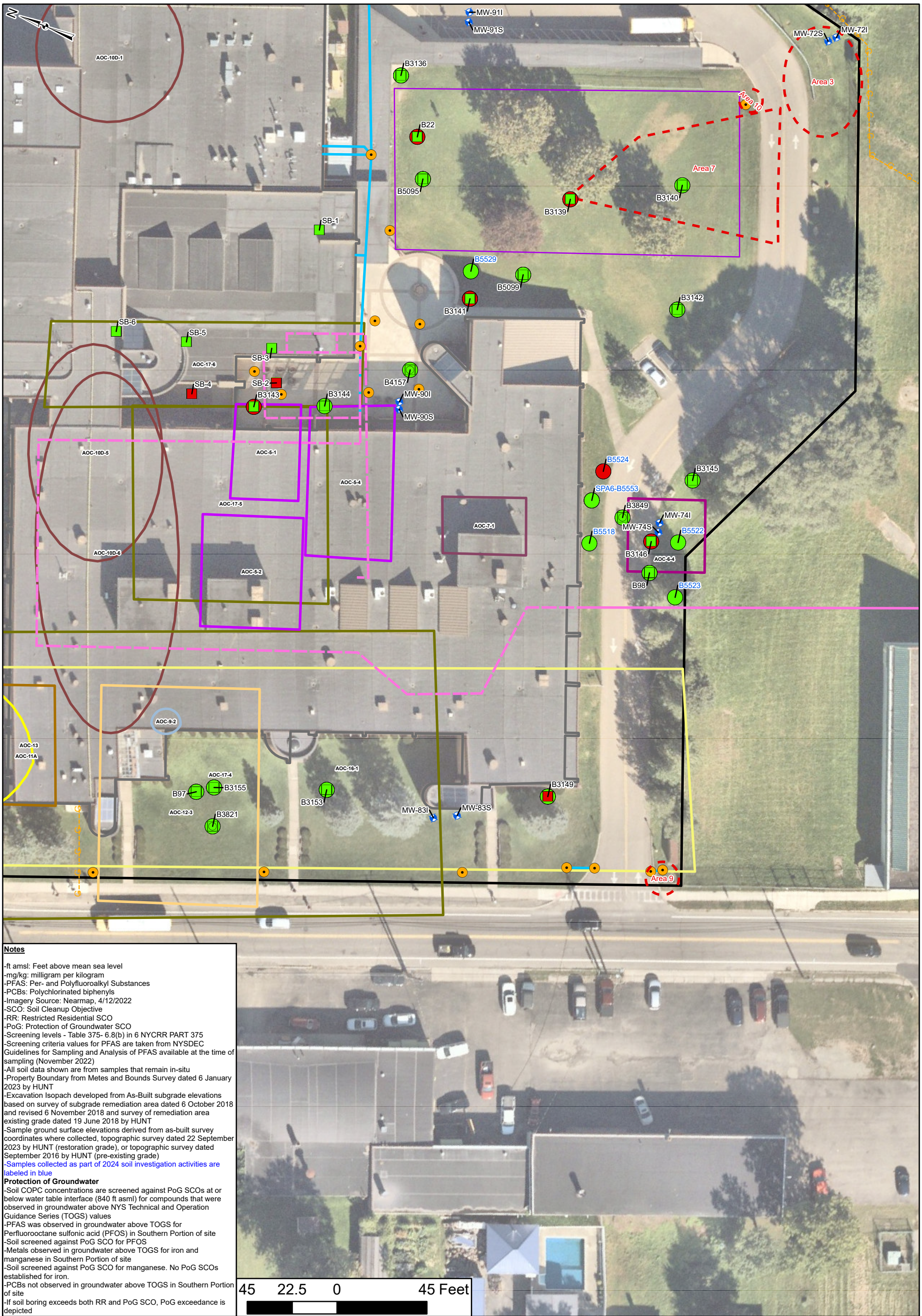
Former Sperry Remington - North Portion #c808022
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Figure 7C

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (856-854 ft amsl)

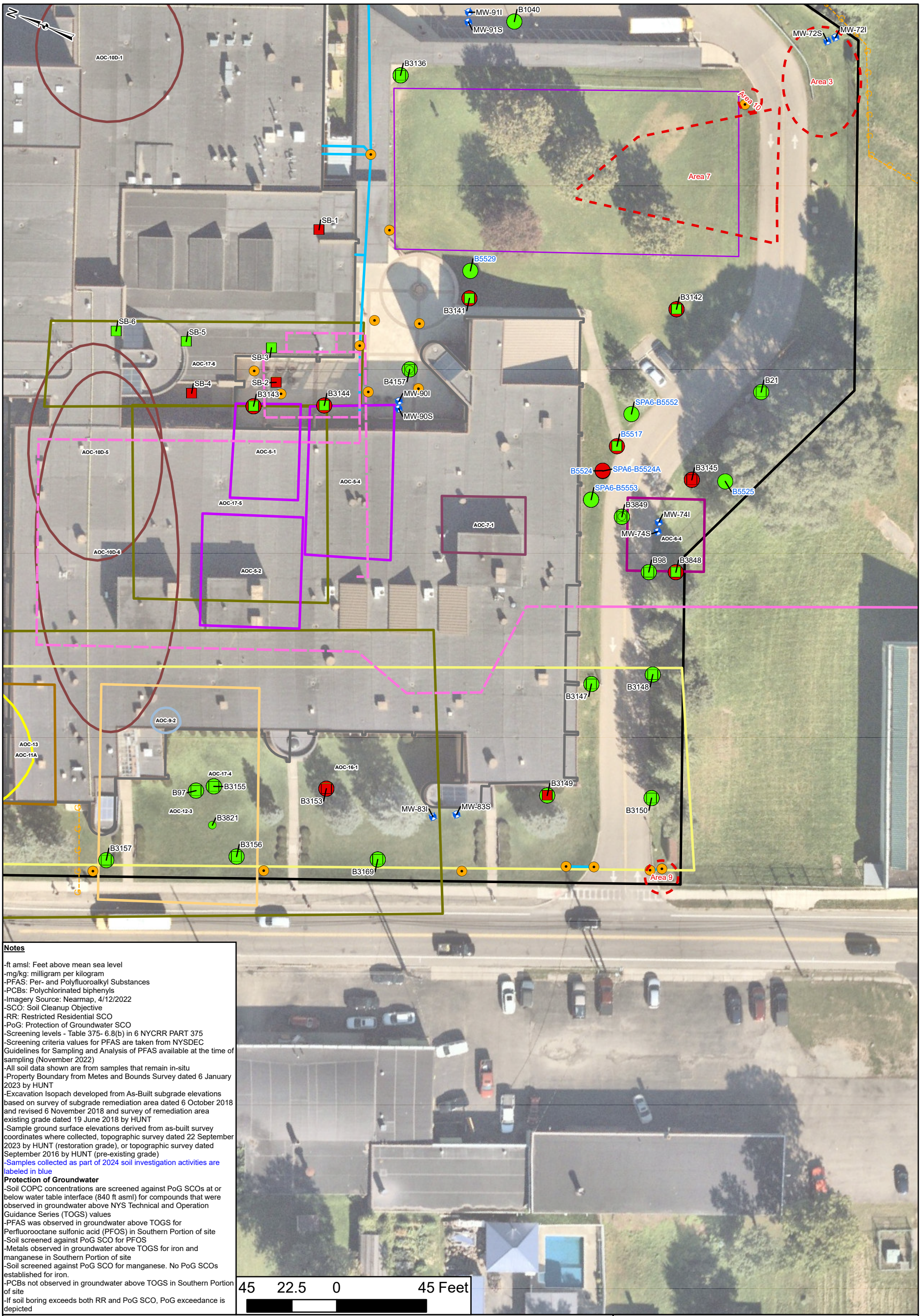
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7D

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (854-852 ft amsl)

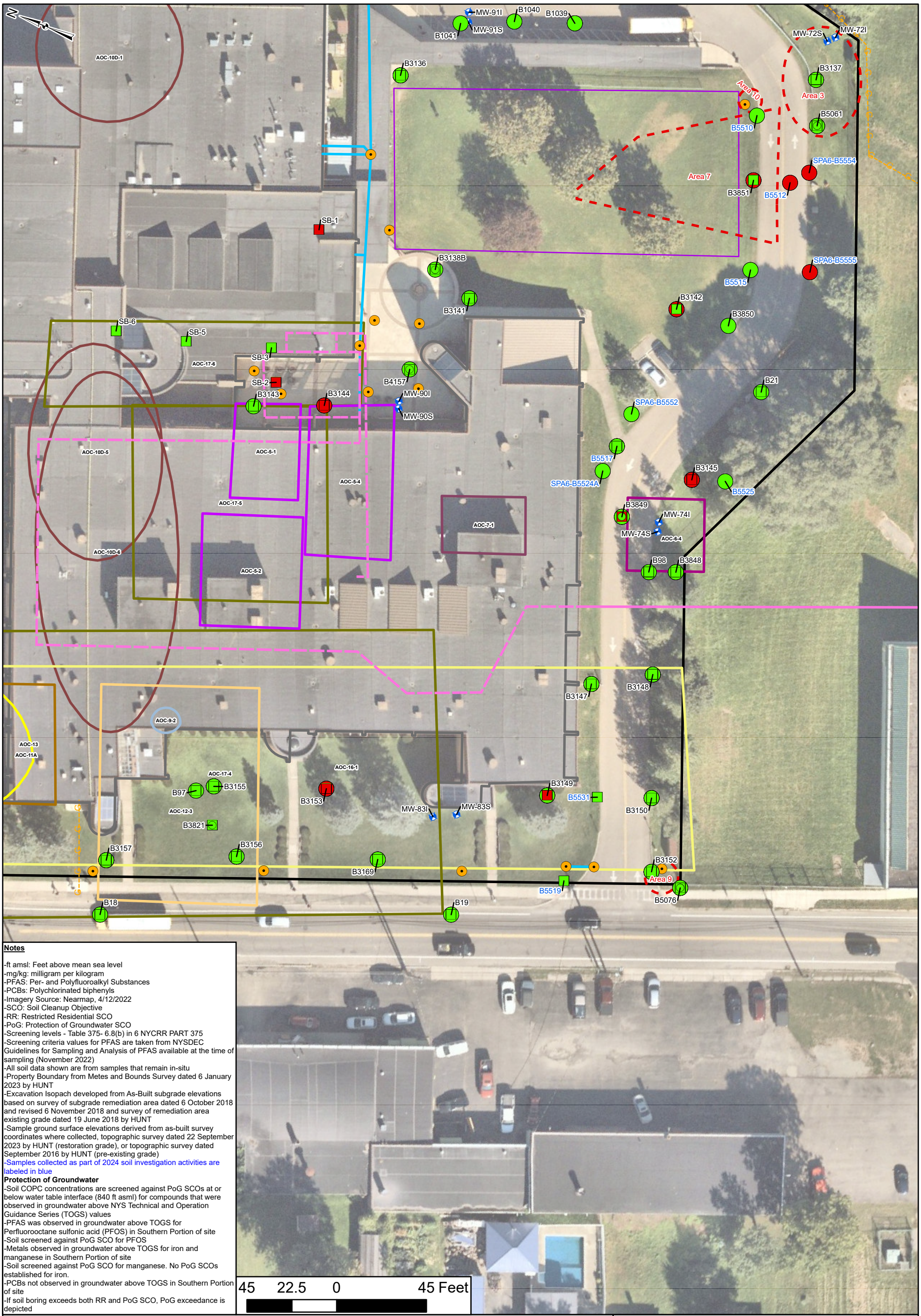
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7E

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (852-850 ft amsl)

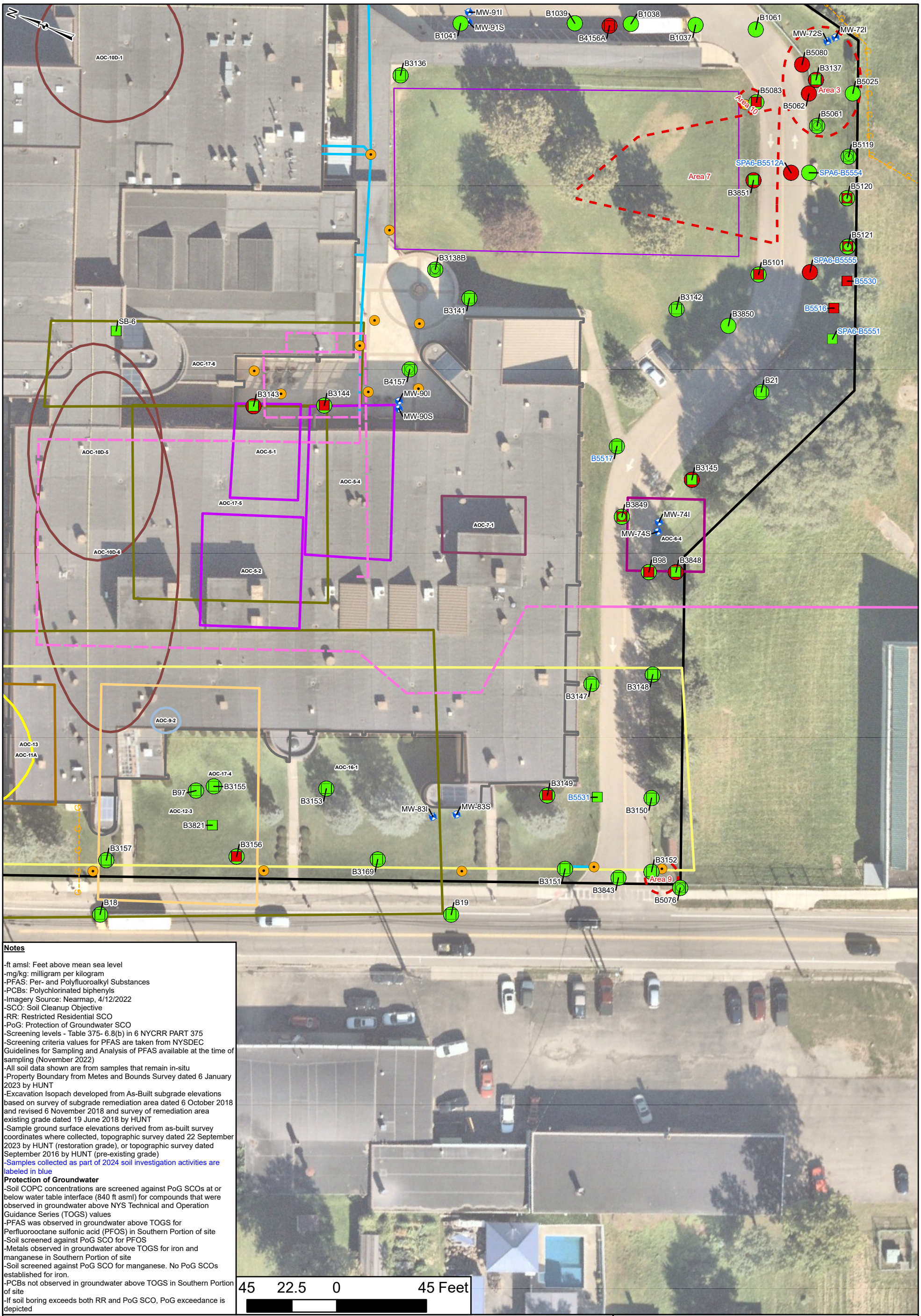
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7F

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (850-848 ft amsl)

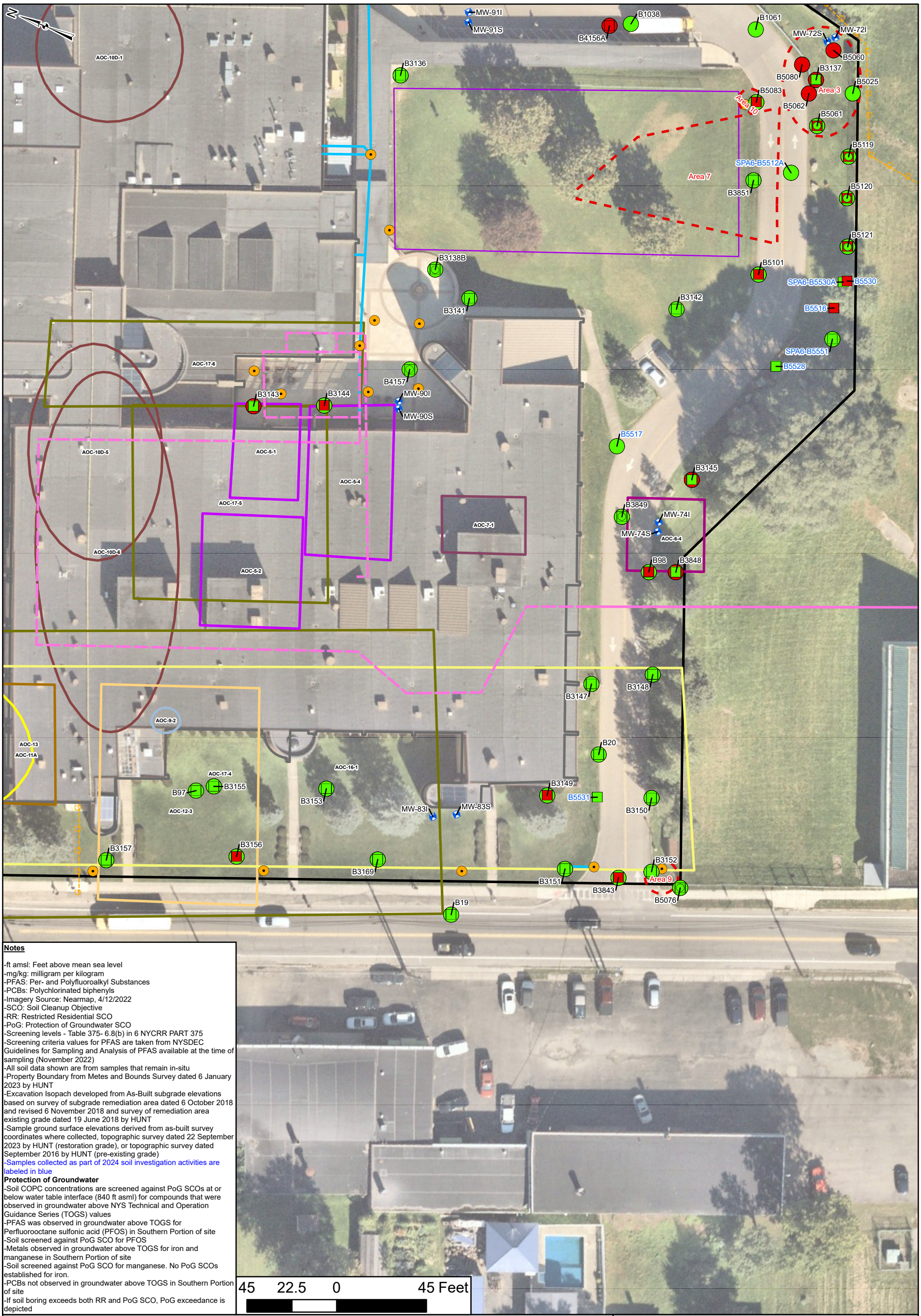
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7G

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (848-846 ft amsl)

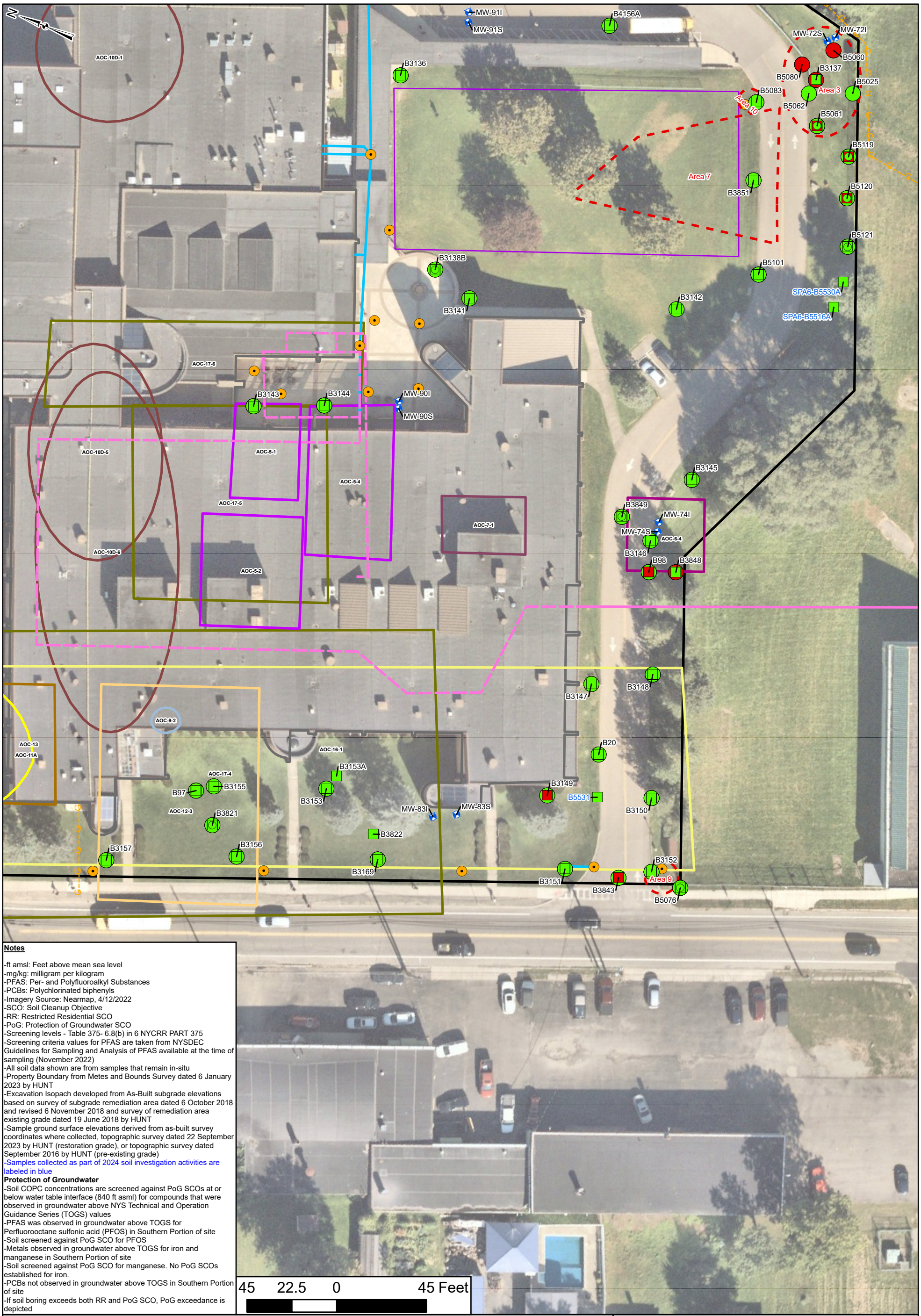
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7H

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (846-844 ft amsl)

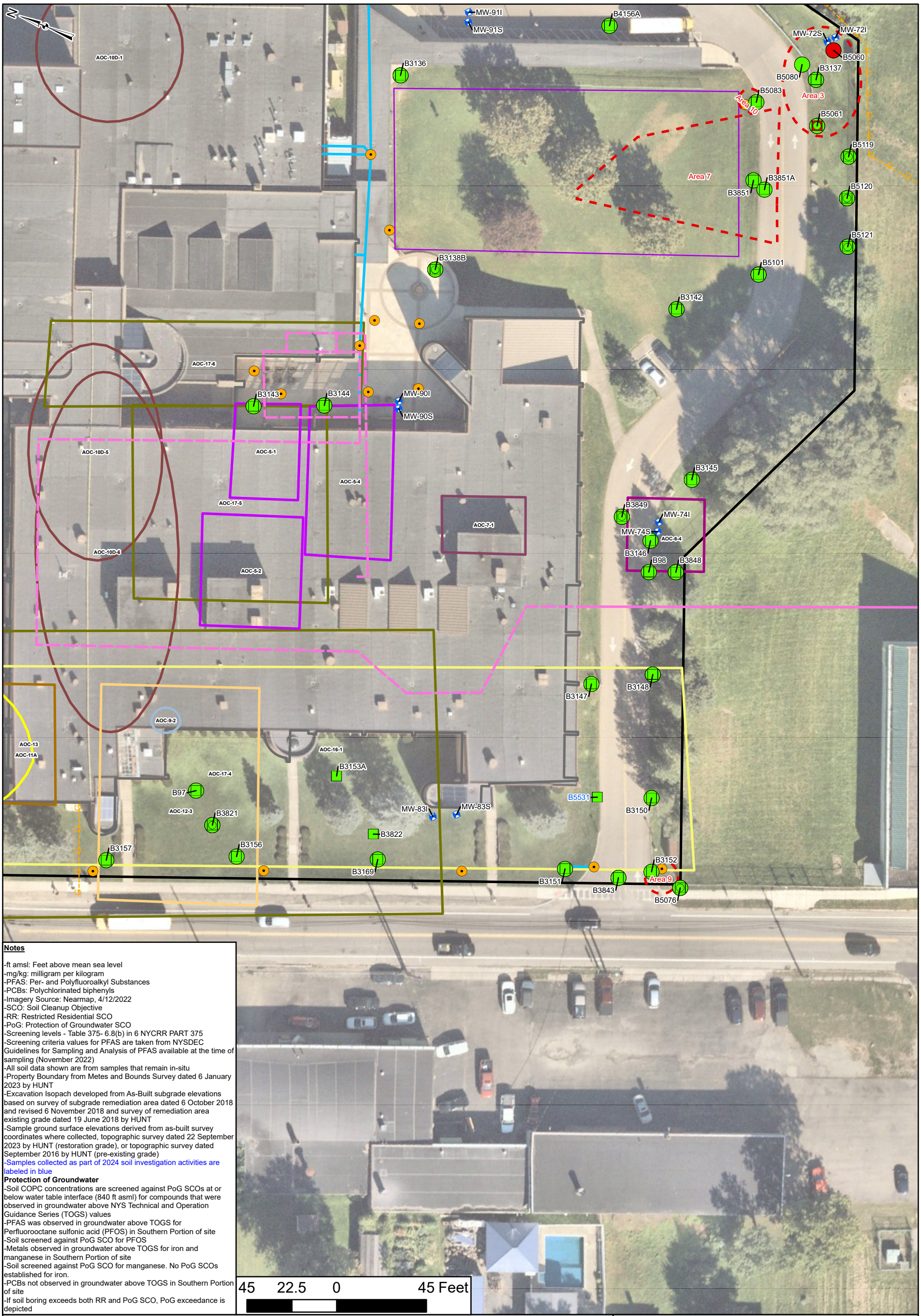
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Elmira, New York

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Figure 7I

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (844-842 ft amsl)

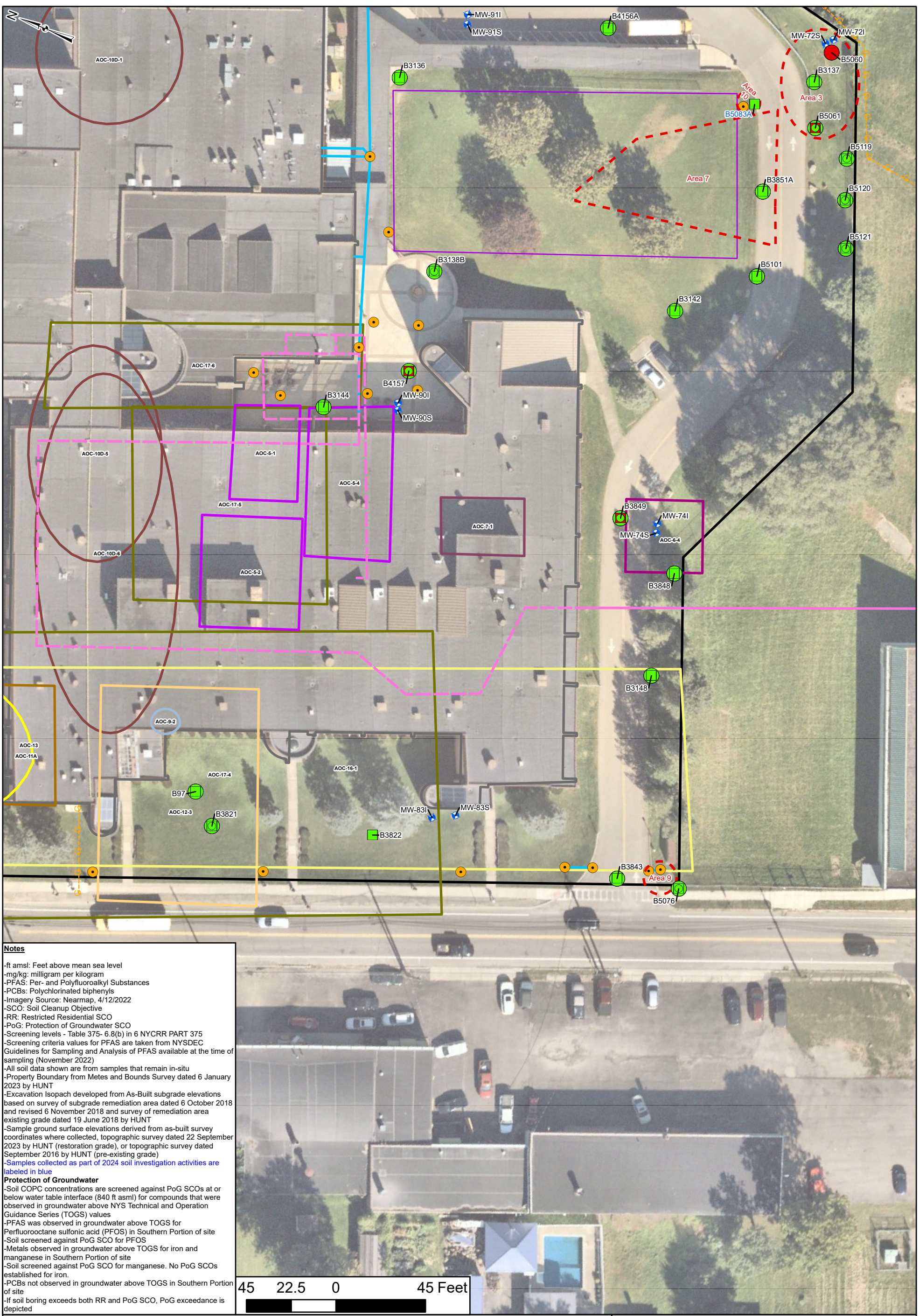
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7J

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (842-840 ft amsl)

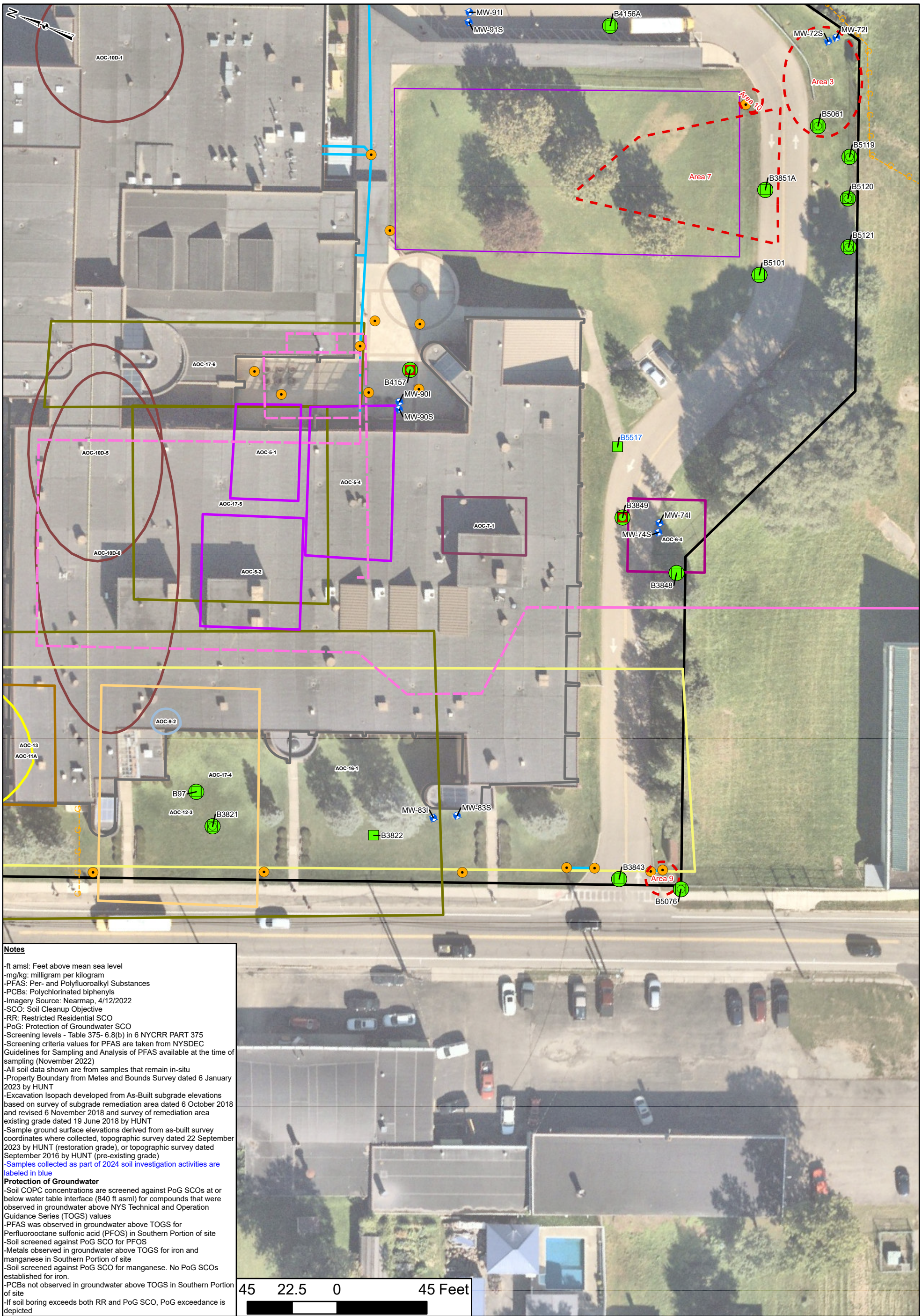
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 7K

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances

- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples

- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)

- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern

- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (840-838 ft amsl)

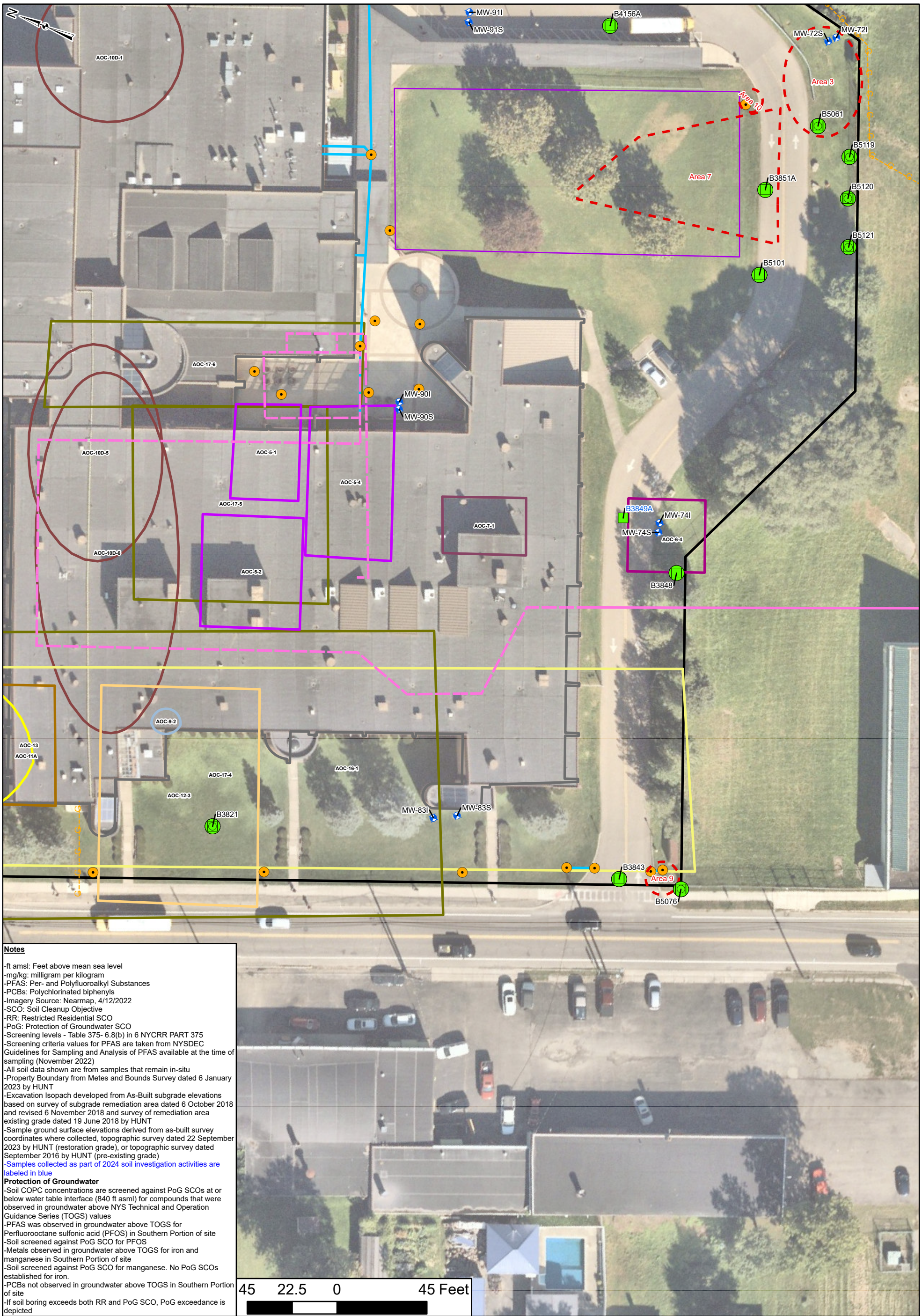
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7L

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (838-836 ft amsl)

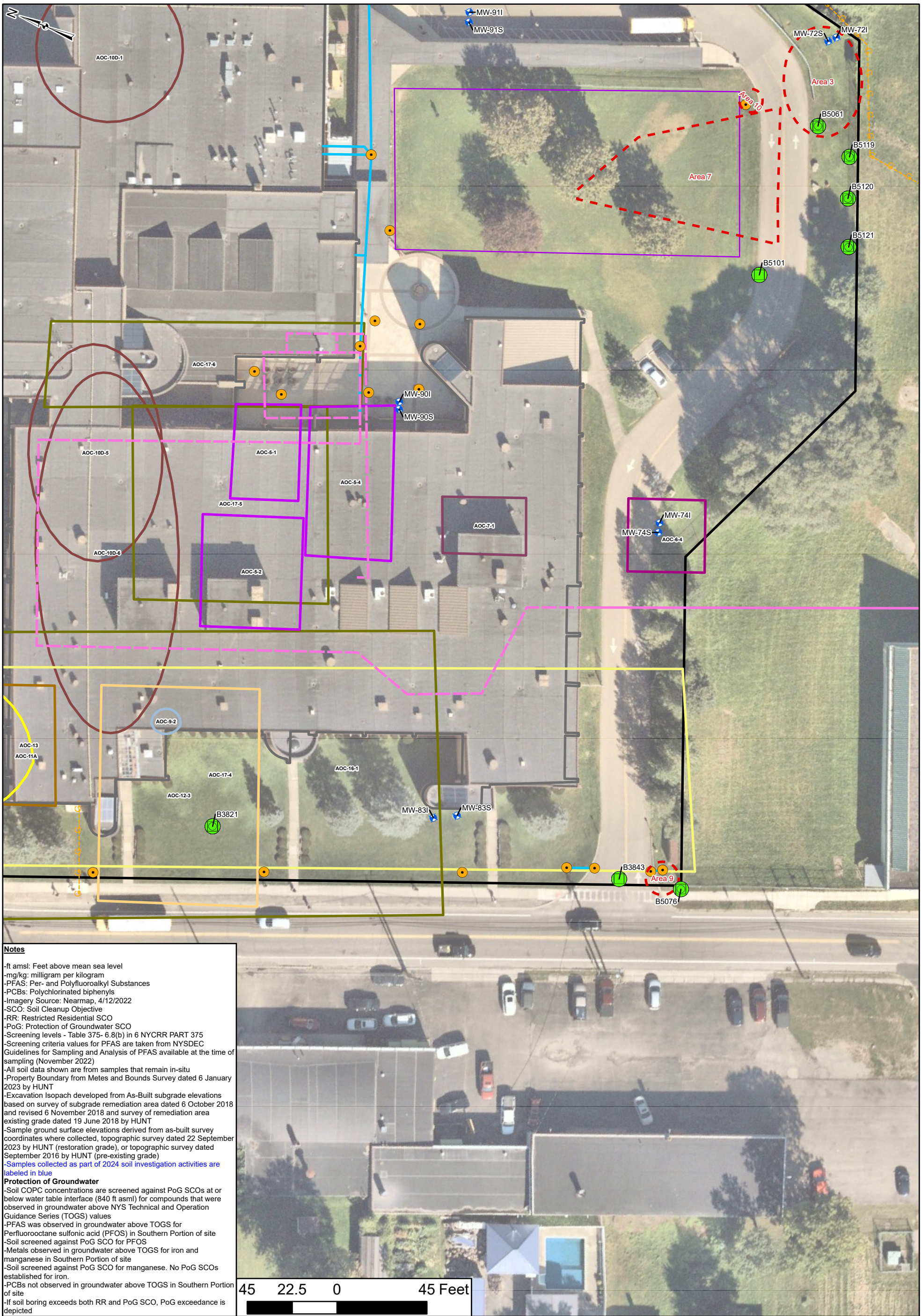
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7M

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
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-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (836-834 ft amsl)

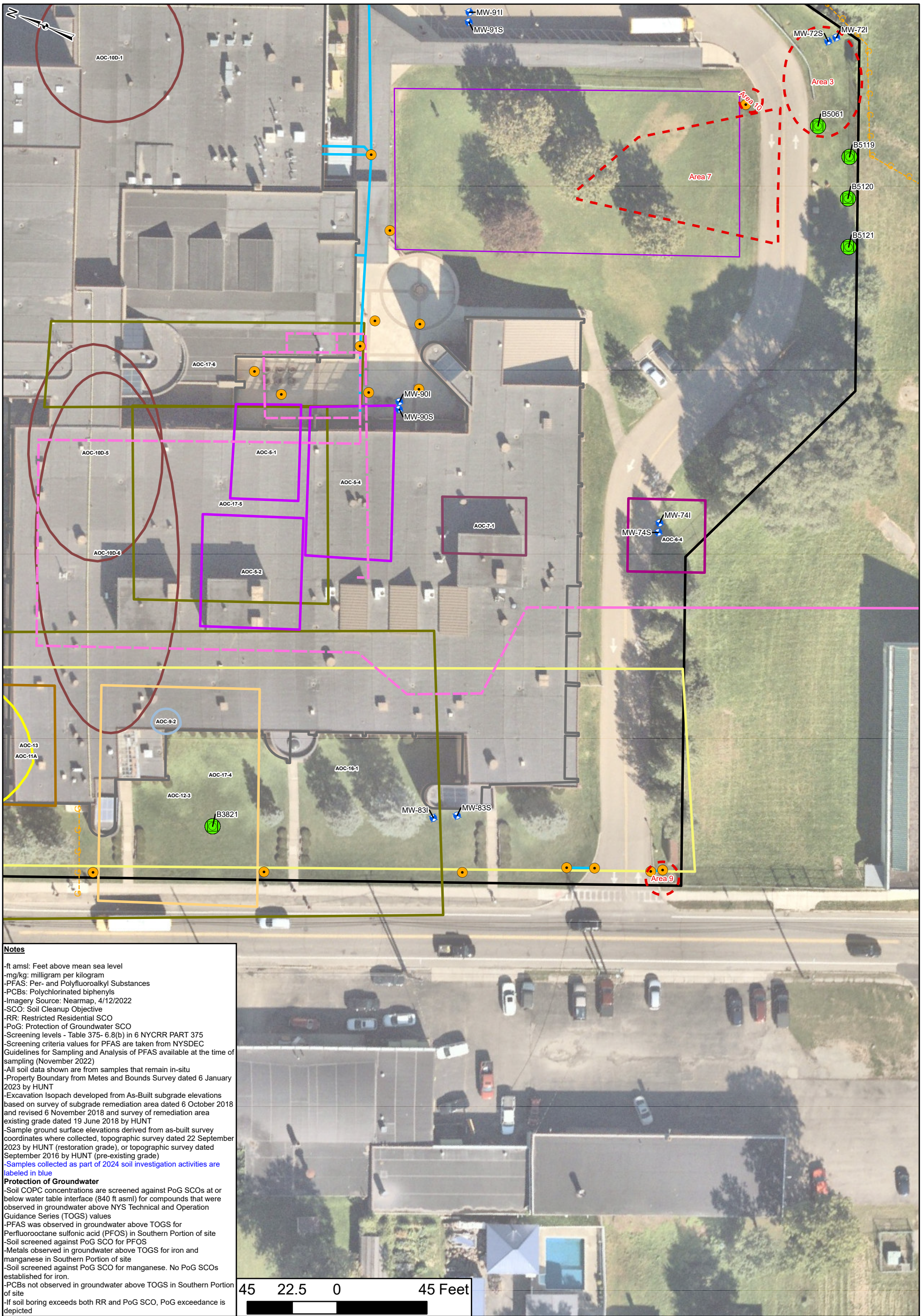
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7N

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (834-832 ft amsl)

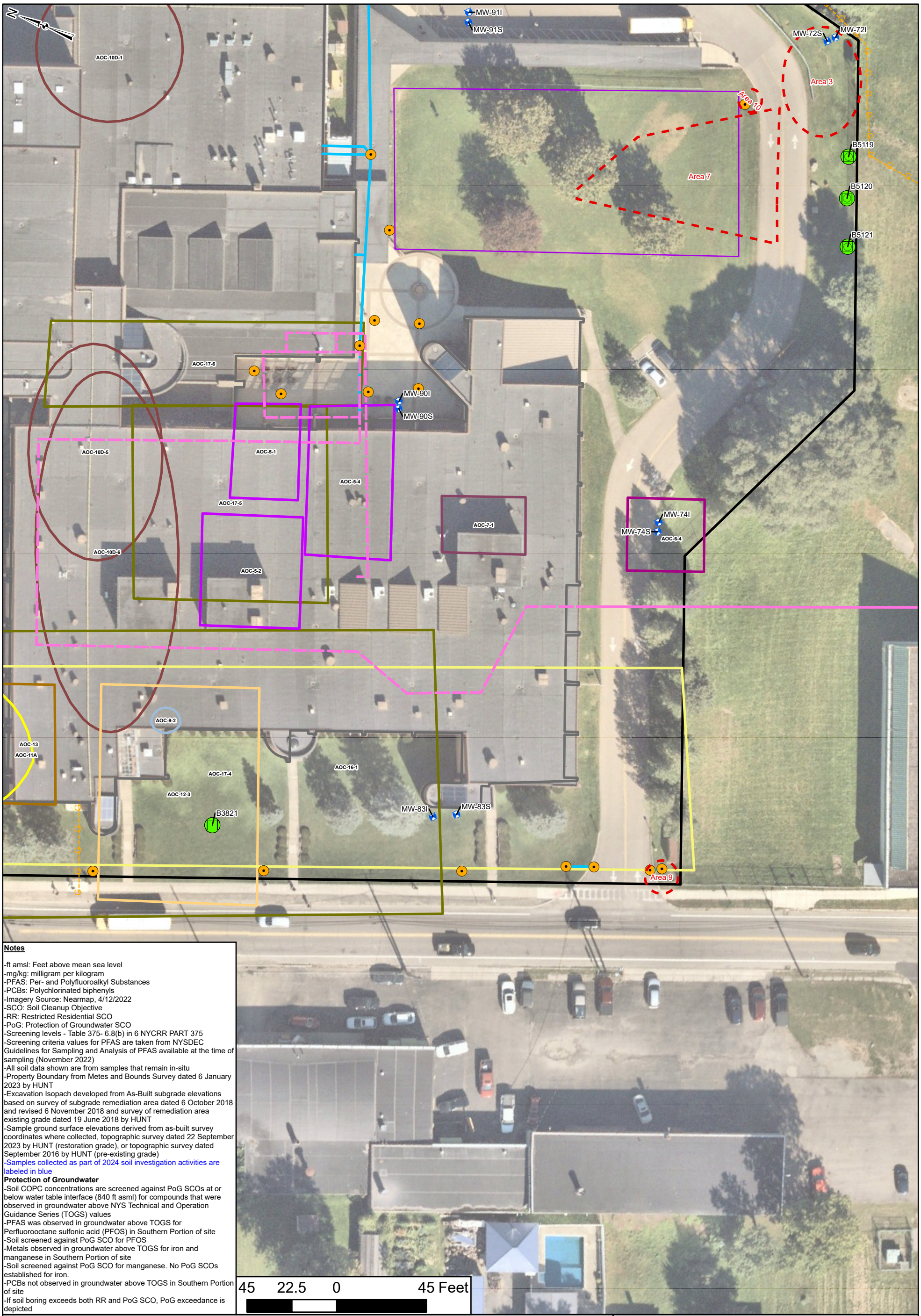
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7O

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Notes

-ft amsl: Feet above mean sea level
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Imagery Source: Nearmap, 4/12/2022
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue

Protection of Groundwater

-Soil COPC concentrations are screened against PoG SCOs at or below water table interface (840 ft asml) for compounds that were observed in groundwater above NYS Technical and Operation Guidance Series (TOGS) values
-PFAS was observed in groundwater above TOGS for Perfluorooctane sulfonic acid (PFOS) in Southern Portion of site
-Soil screened against PoG SCO for PFOS
-Metals observed in groundwater above TOGS for iron and manganese in Southern Portion of site
-Soil screened against PoG SCO for manganese. No PoG SCOs established for iron.
-PCBs not observed in groundwater above TOGS in Southern Portion of site
-If soil boring exceeds both RR and PoG SCO, PoG exceedance is depicted

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds PoG Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <3.2
- >3.2 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (832-830 ft amsl)

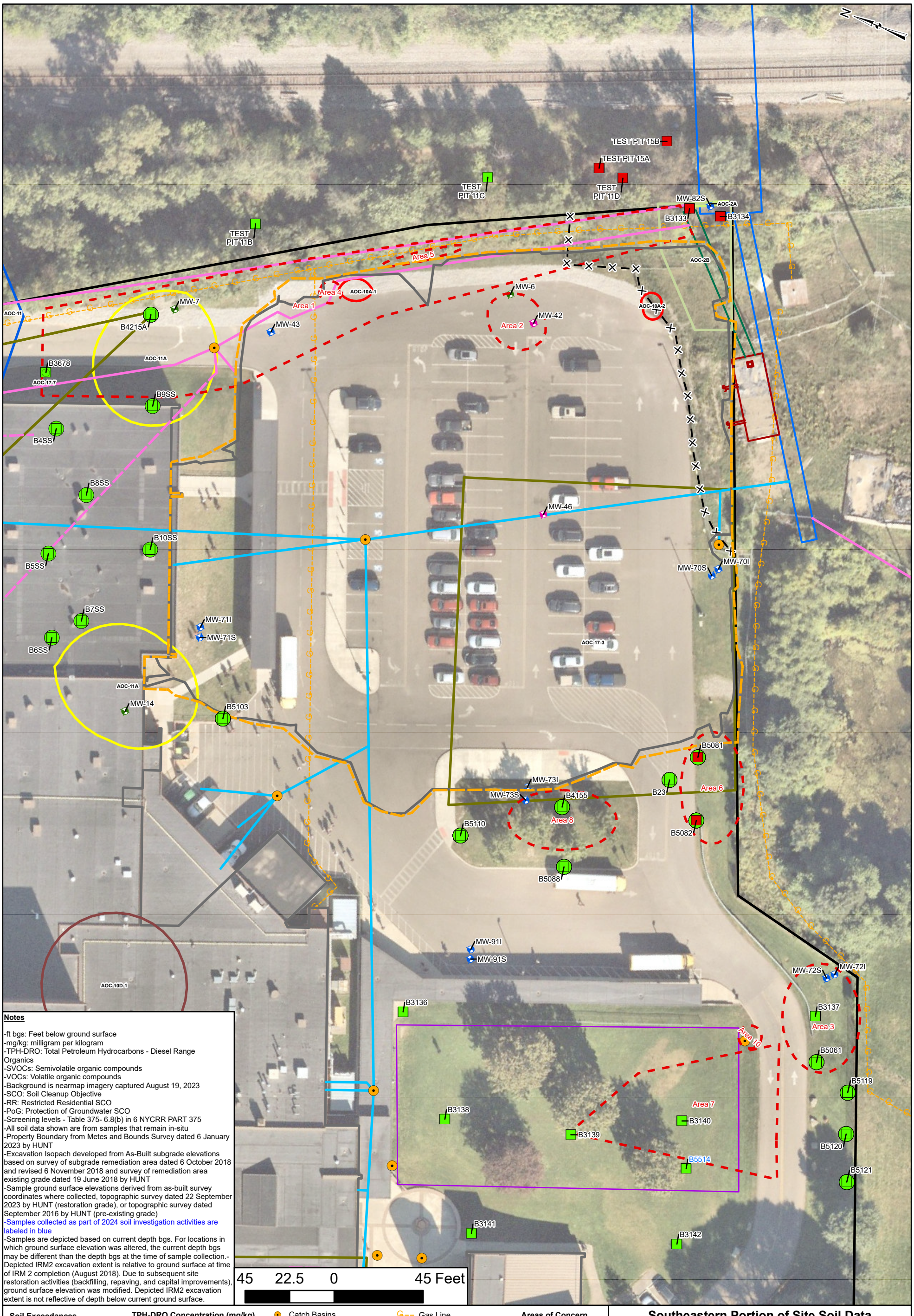
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 7P

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Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.-Depicted IRM2 excavation extent is relative to ground surface at time of IRM 2 completion (August 2018). Due to subsequent site restoration activities (backfilling, repaving, and capital improvements), ground surface elevation was modified. Depicted IRM2 excavation extent is not reflective of depth below current ground surface.

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Excavation Extent (0-2 ft bgs)
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (0-0.17 ft bgs)

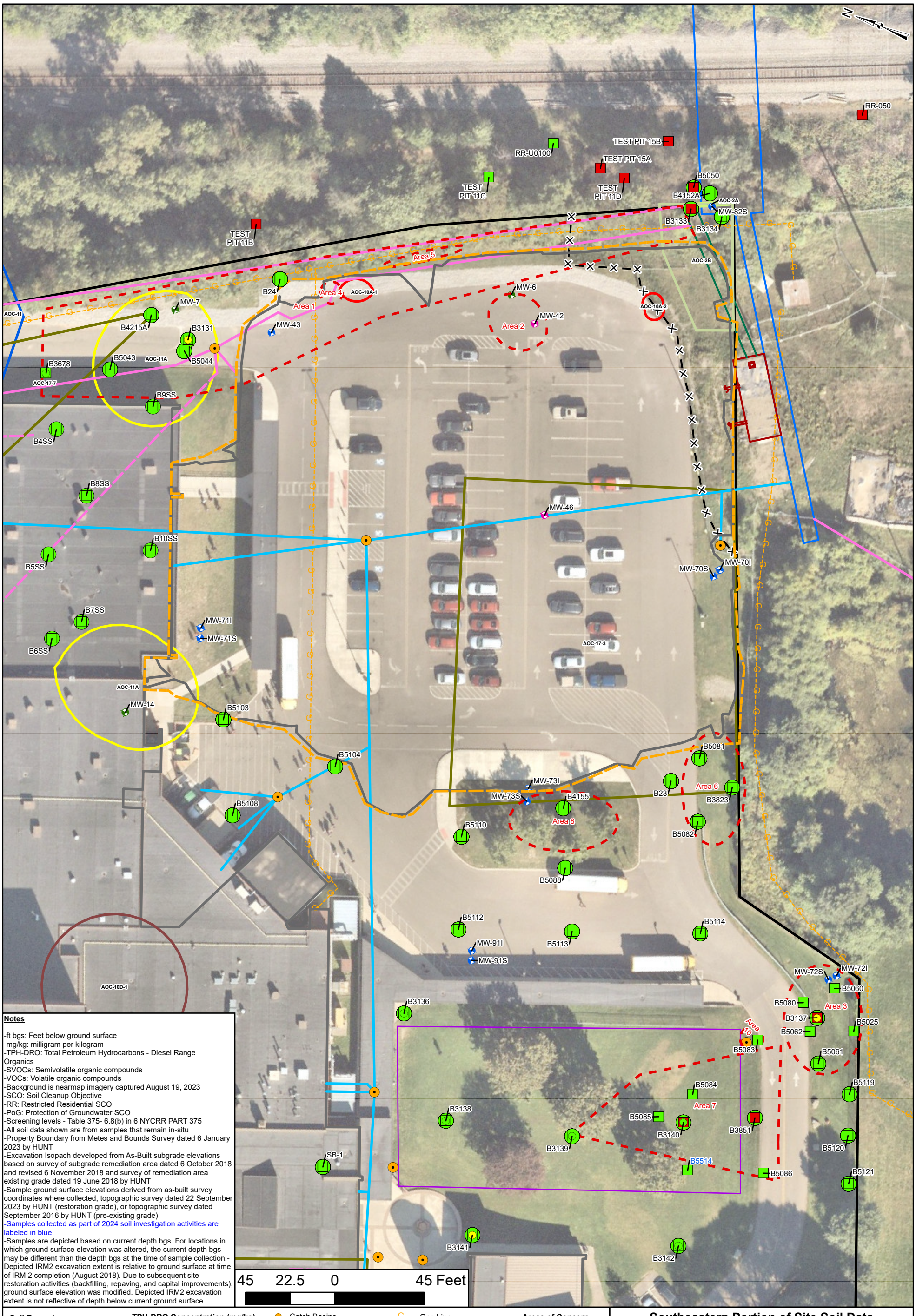
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Figure 8A

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Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
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Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Excavation Extent (0-2 ft bgs)
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (0.17-2 ft bgs)

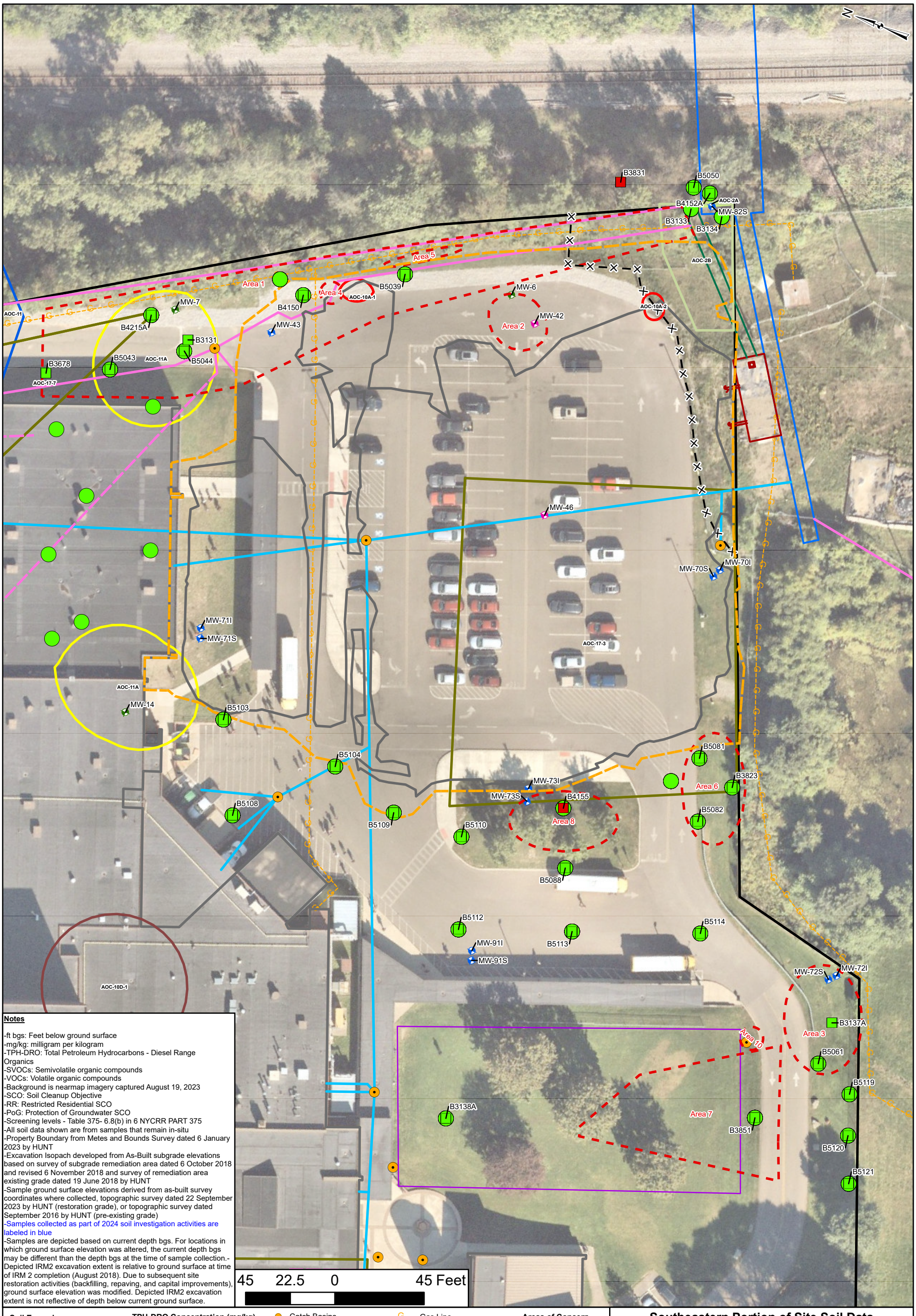
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 8B

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Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
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-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.- Depicted IRM2 excavation extent is relative to ground surface at time of IRM 2 completion (August 2018). Due to subsequent site restoration activities (backfilling, repaving, and capital improvements), ground surface elevation was modified. Depicted IRM2 excavation extent is not reflective of depth below current ground surface.

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Excavation Extent (2-4 ft bgs)
- 5 ft Box Culvert
- OS2
- Site Culvert

- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (2-4 ft bgs)

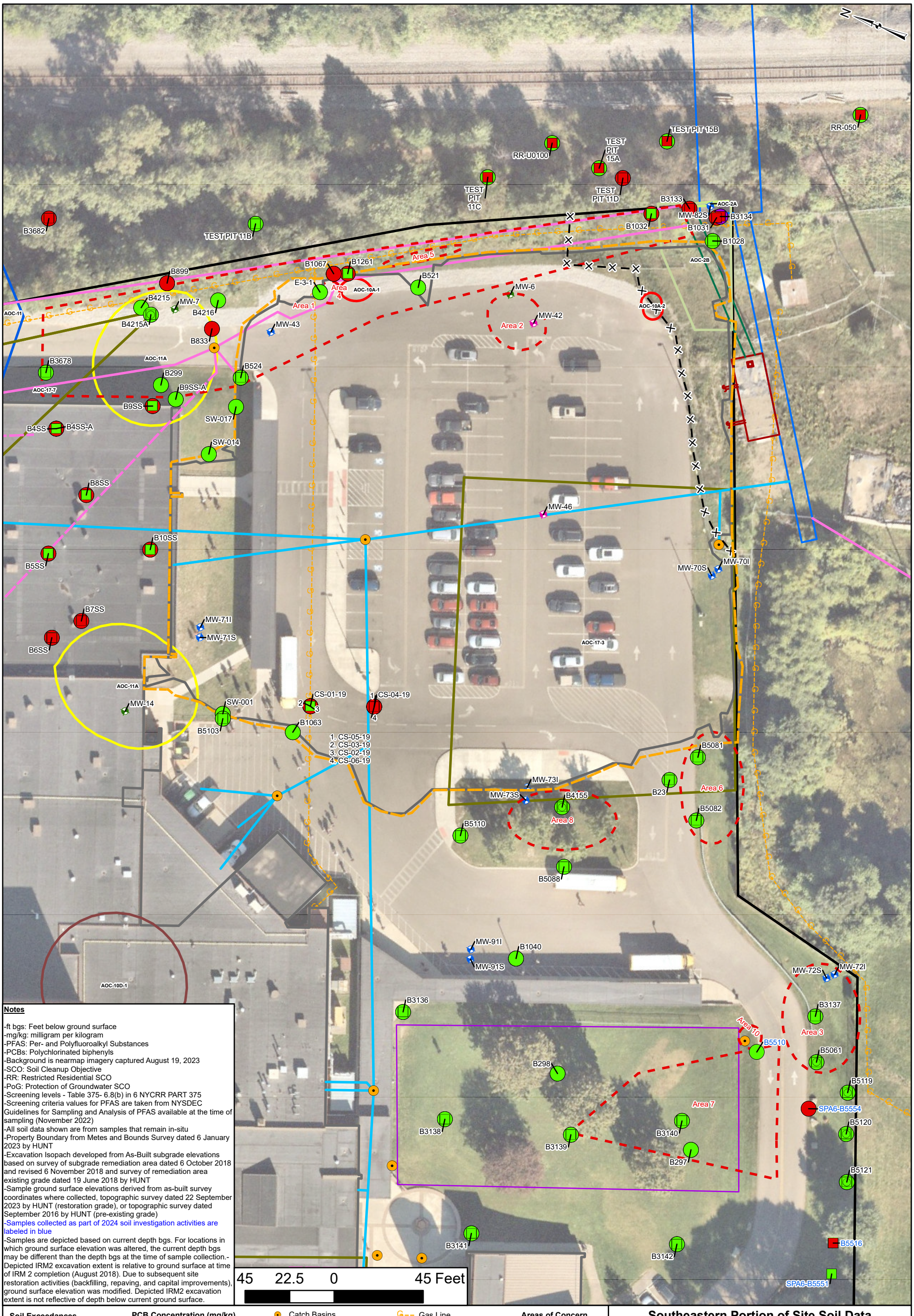
Former Sperry Remington - North Portion #c808022
Elmira, New York

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Figure 8C

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.-Depicted IRM2 excavation extent is relative to ground surface at time of IRM 2 completion (August 2018). Due to subsequent site restoration activities (backfilling, repaving, and capital improvements), ground surface elevation was modified. Depicted IRM2 excavation extent is not reflective of depth below current ground surface.

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Excavation Extent (0-2 ft bgs)
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (0-0.17 ft bgs)

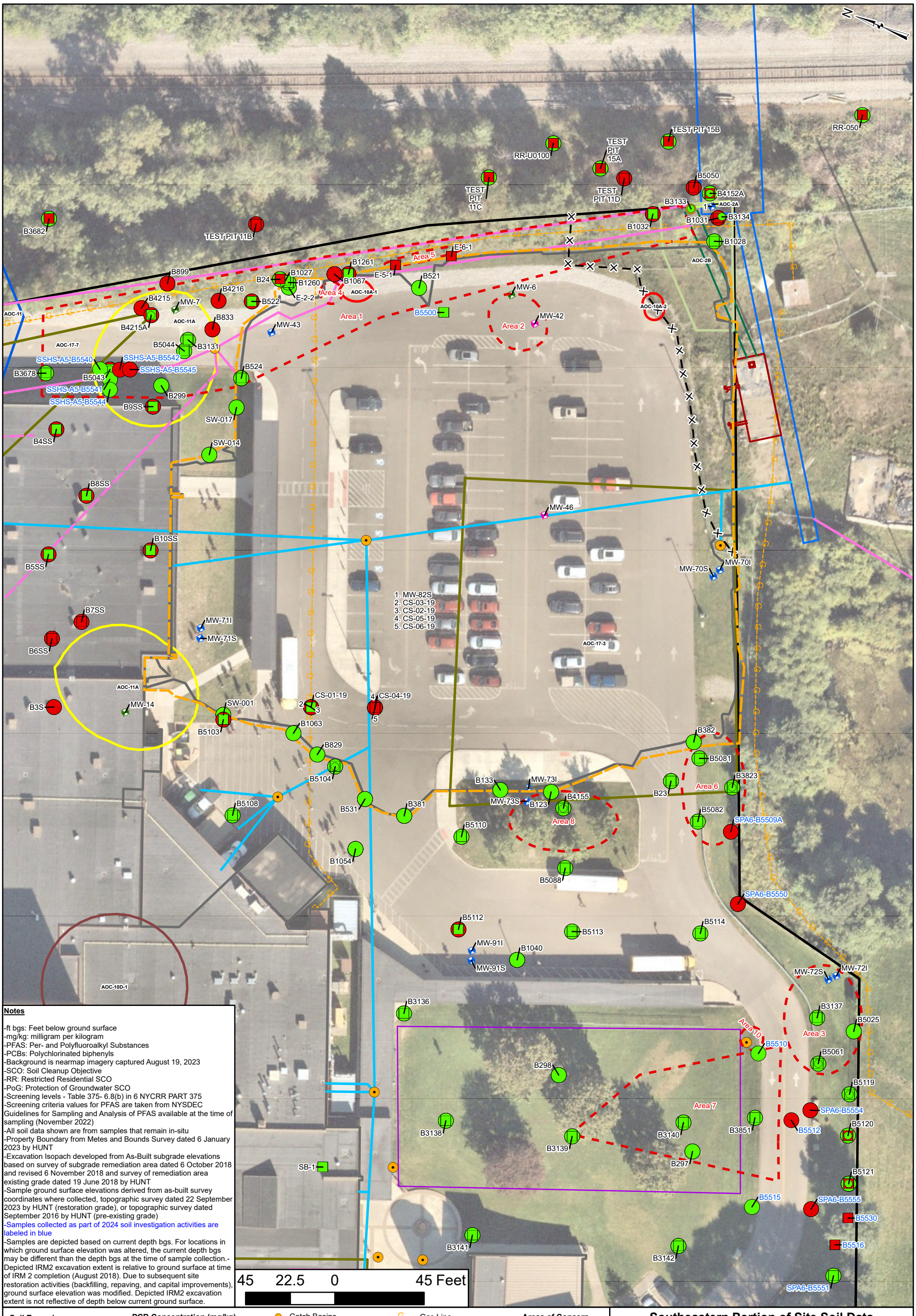
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Pittsburgh, PA | March 2025

Figure 9A

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.- Depicted IRM2 excavation extent is relative to ground surface at time of IRM 2 completion (August 2018). Due to subsequent site restoration activities (backfilling, repaving, and capital improvements), ground surface elevation was modified. Depicted IRM2 excavation extent is not reflective of depth below current ground surface.

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Excavation Extent (0-2 ft bgs)
- 5 ft Box Culvert
- OS2
- Site Culvert
- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (0.17-2 ft bgs)

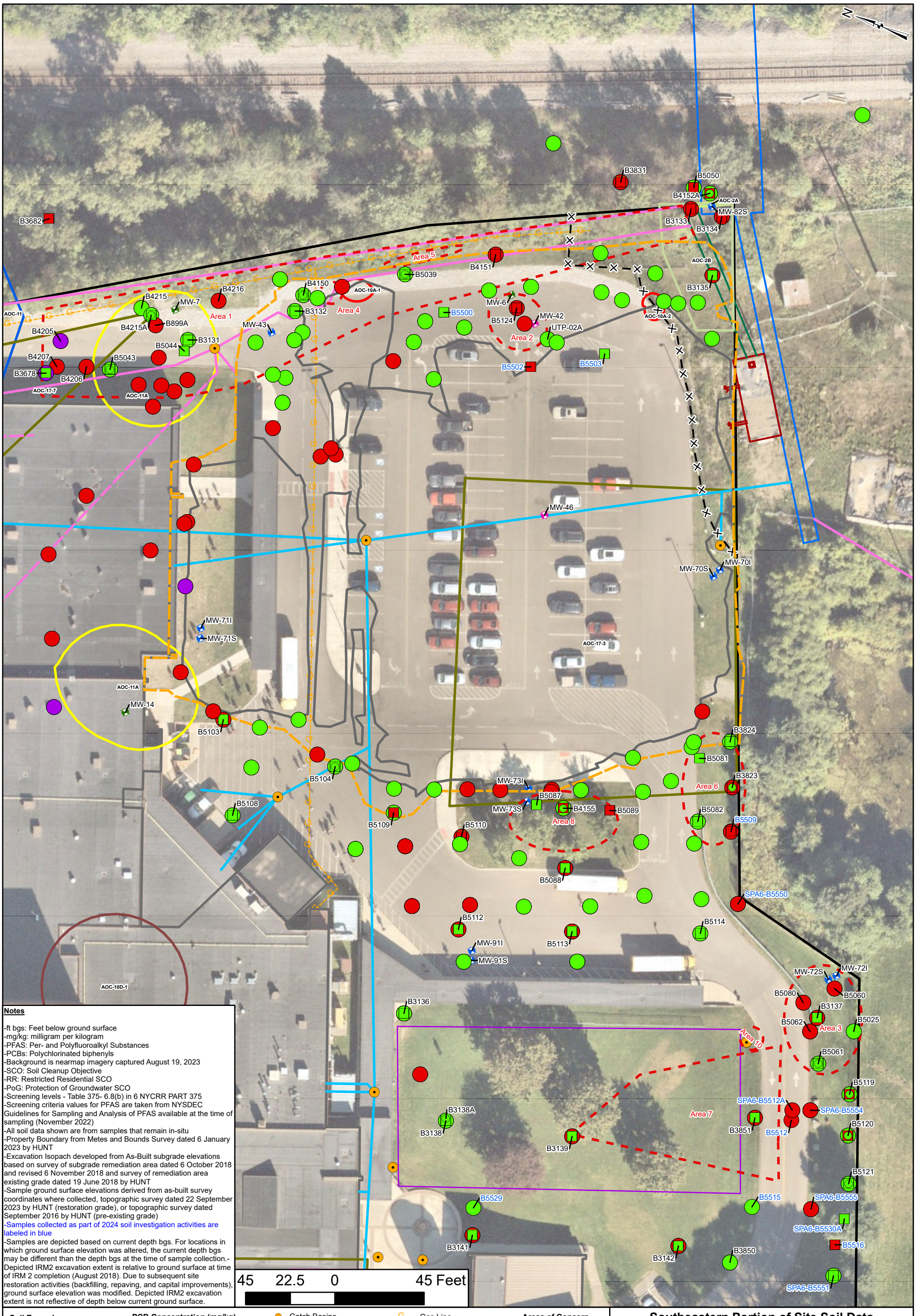
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Figure 9B

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.- Depicted IRM2 excavation extent is relative to ground surface at time of IRM 2 completion (August 2018). Due to subsequent site restoration activities (backfilling, repaving, and capital improvements), ground surface elevation was modified. Depicted IRM2 excavation extent is not reflective of depth below current ground surface.

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Limit of Excavation
- Excavation Extent (2-4 ft bgs)
- 5 ft Box Culvert
- OS2
- Site Culvert

- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-10A
- AOC-10D
- AOC-11A
- AOC-17
- AOC-2A
- AOC-2B

Southeastern Portion of Site Soil Data PFAS, Metals, PCBs (2-4 ft bgs)

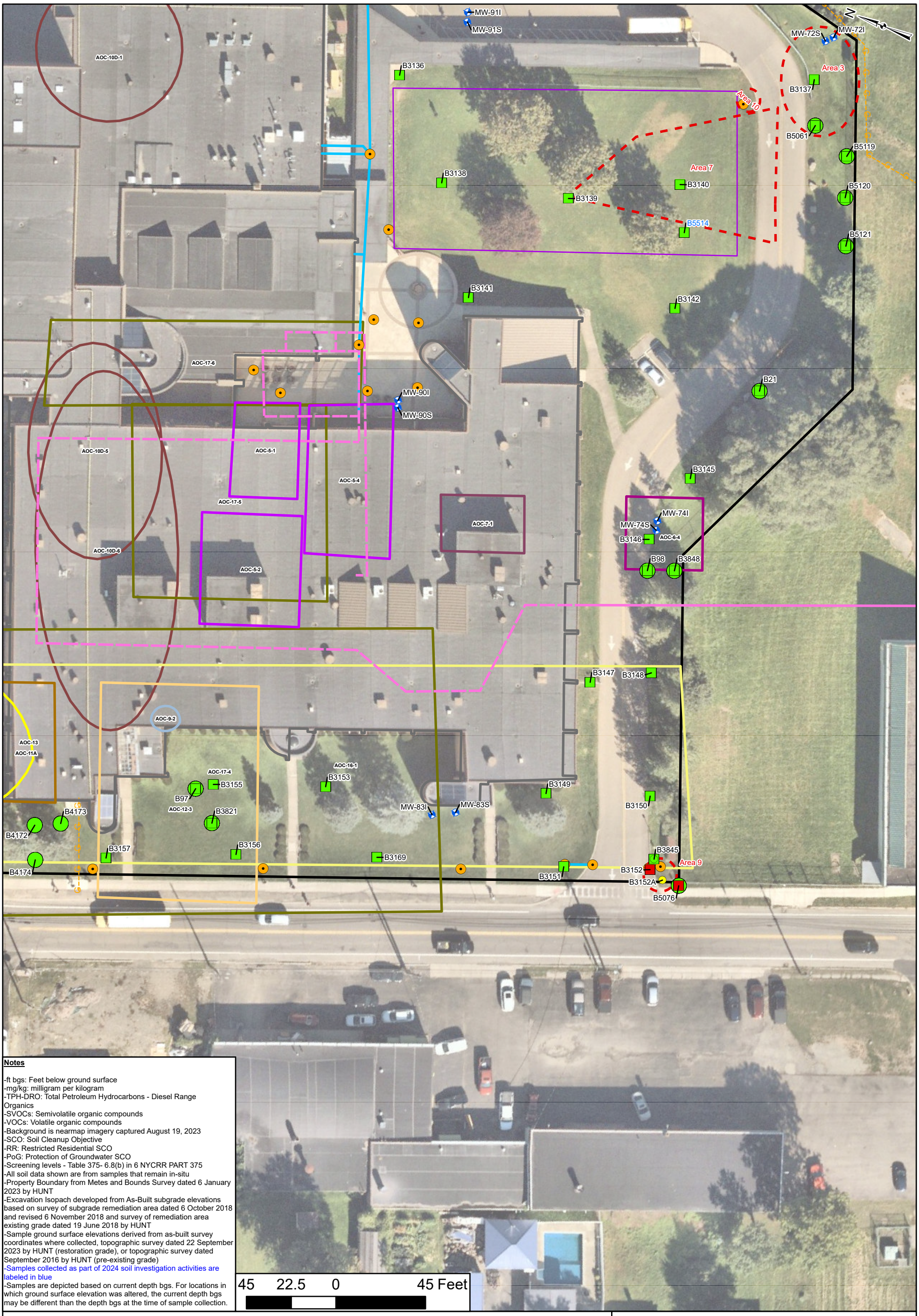
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Pittsburgh, PA | March 2025

Figure 9C

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Southwestern Portion of Site Soil Data
TPH-DRO, SVOCs, VOCs
(0-0.17 ft bgs)

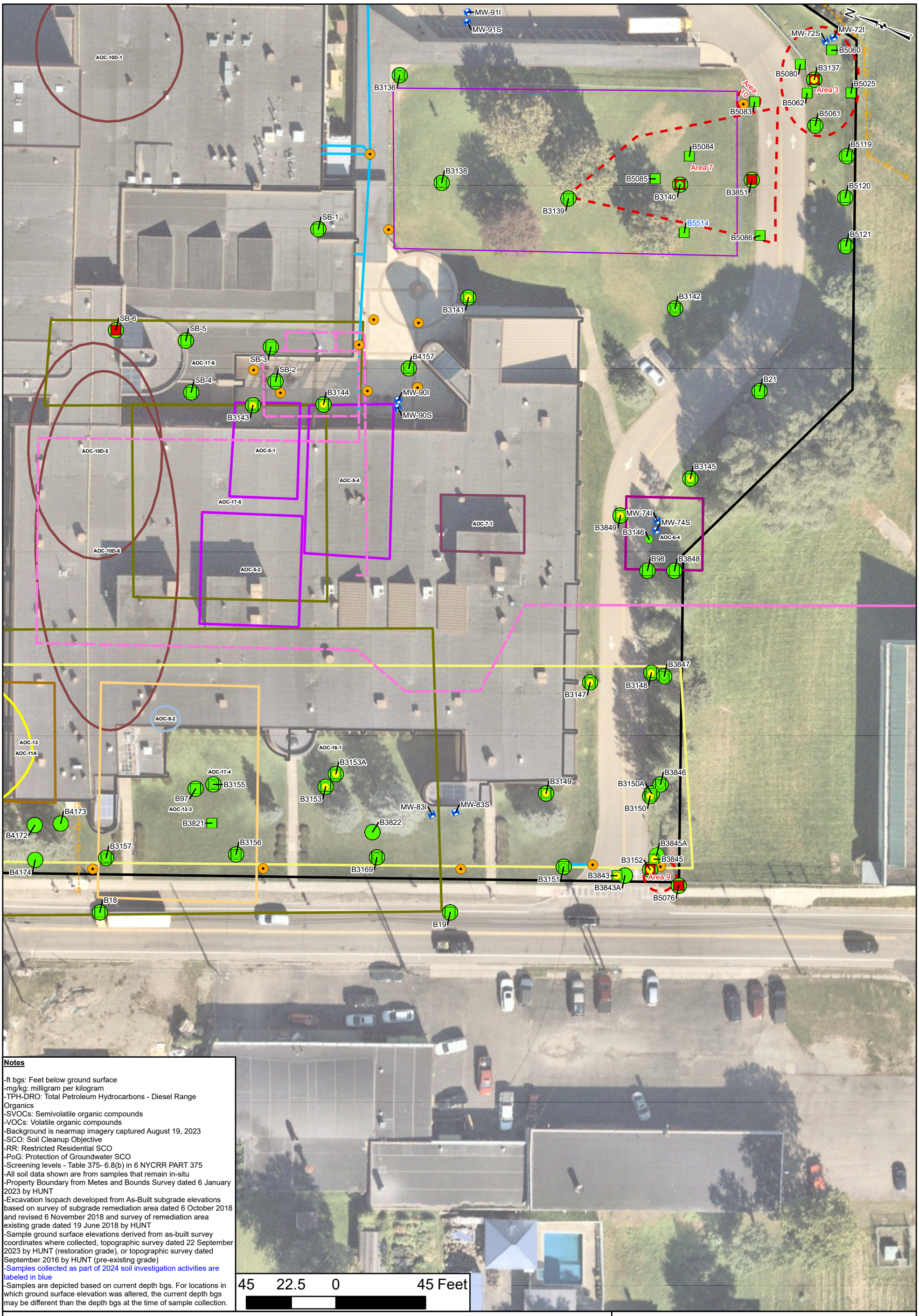
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Figure 10A

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SW.aprx; Date: 19-Mar-2025;



Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-TPH-DRO: Total Petroleum Hydrocarbons - Diesel Range Organics
-SVOCs: Semivolatile organic compounds
-VOCs: Volatile organic compounds
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- TPH-DRO
- SVOCs
- VOCs

TPH-DRO Concentration (mg/kg)
- 0 - 100
- 100 - 1000
- >1000
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data TPH-DRO, SVOCs, VOCs (0.17-2 ft bgs)

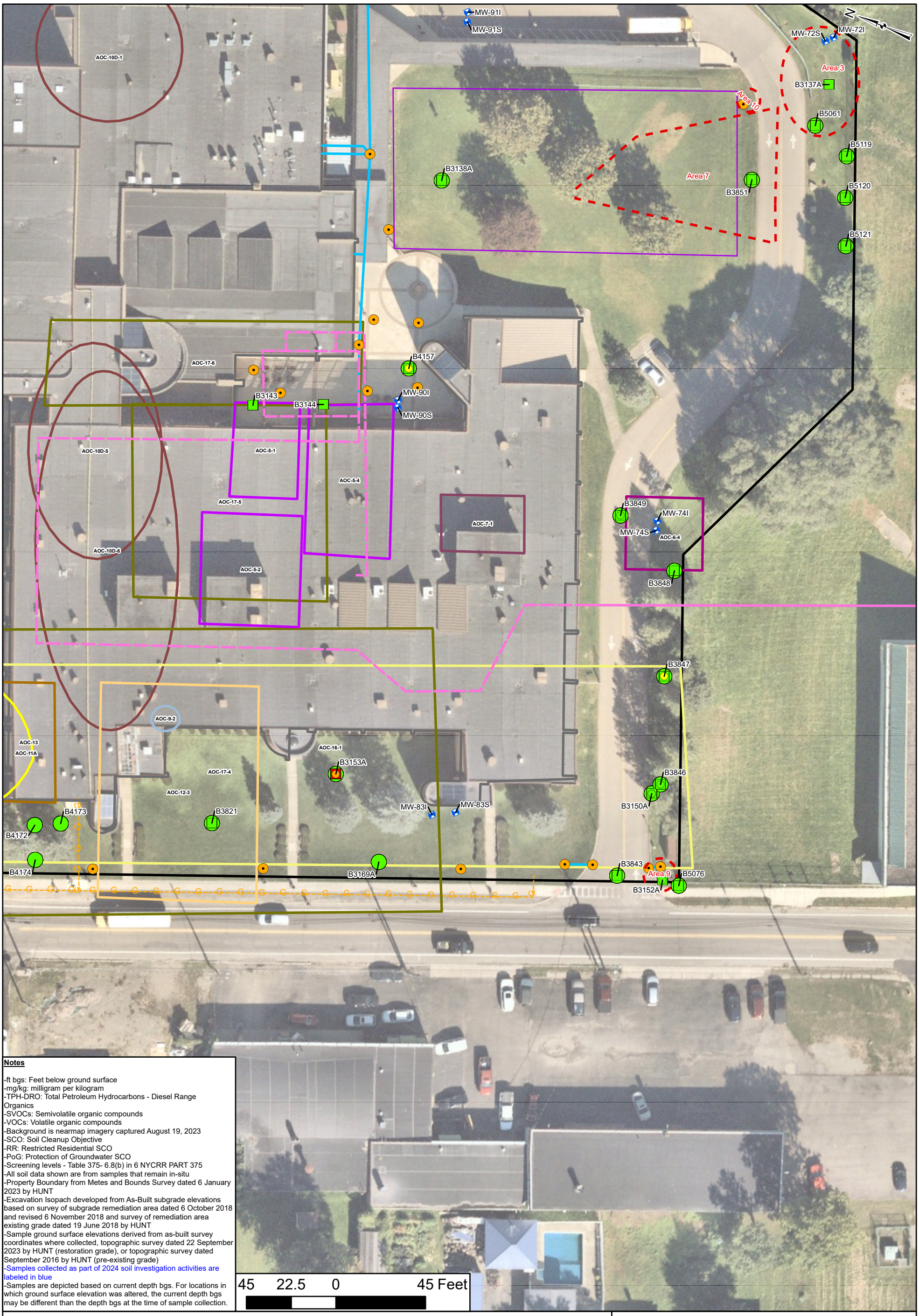
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Pittsburgh, PA | March 2025

Figure 10B

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SW.aprx; Date: 19-Mar-2025;



Southwestern Portion of Site Soil Data
TPH-DRO, SVOCs, VOCs
(2-4 ft bgs)

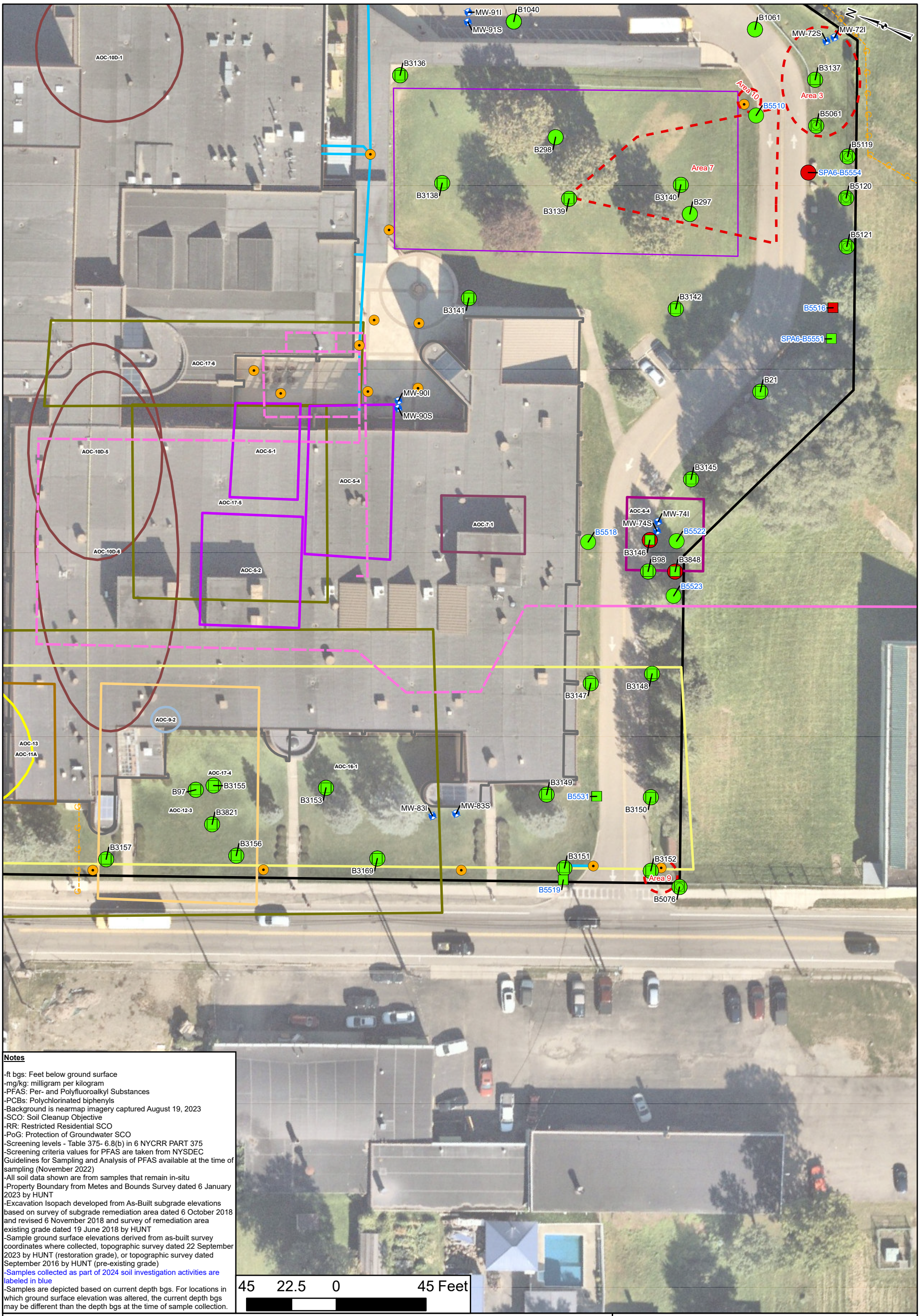
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Pittsburgh, PA | March 2025

Figure 10C

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (0-0.17 ft bgs)

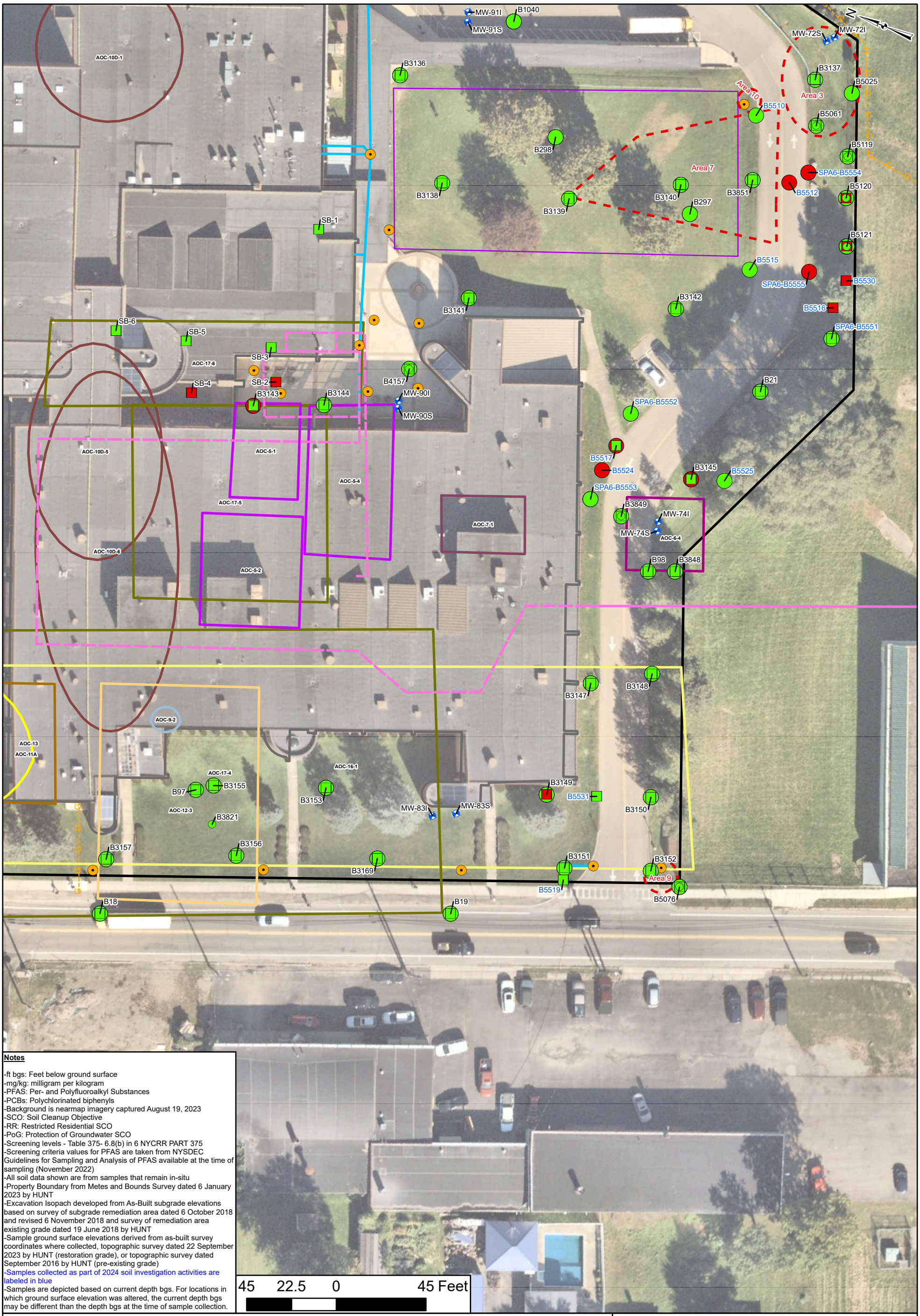
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Pittsburgh, PA | March 2025

Figure 11A

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SW.aprx; Date: 19-Mar-2025;



Notes

-ft bgs: Feet below ground surface
-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
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-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Samples are depicted based on current depth bgs. For locations in which ground surface elevation was altered, the current depth bgs may be different than the depth bgs at the time of sample collection.

45 22.5 0 45 Feet

Soil Exceedances
- Does Not Exceed Screening Criteria
- Exceeds RR Screening Criteria

Sitewide Samples
- PFAS
- Metals
- PCBs

PCB Concentration (mg/kg)
- <1
- >1 - <50
- >=50
- Current EHS Storm Water Sewer (Post-1979)
- Former Combined Industrial Sewer (Pre-1979)
- Former Combined Industrial Sewer (Pre-1979) Not Located

- Catch Basins
- Monitoring Well
- Monitoring Well - Decommissioned as part of IRM
- Former Monitoring Well
- Gas Line
- Property Boundary
- STRA Limits - Fencing
- Investigation Areas
- Approximate Former Building 66 Footprint

Areas of Concern
- AOC-1
- AOC-5
- AOC-6
- AOC-7
- AOC-9
- AOC-10D
- AOC-11A
- AOC-12
- AOC-13
- AOC-16
- AOC-17

Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (0.17-2 ft bgs)

Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 11B

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SW.aprx; Date: 19-Mar-2025;

N

Notes

-ft bgs: Feet below ground surface

-mg/kg: milligram per kilogram
-PFAS: Per- and Polyfluoroalkyl Substances
-PCBs: Polychlorinated biphenyls
-Background is nearmap imagery captured August 19, 2023
-SCO: Soil Cleanup Objective
-RR: Restricted Residential SCO
-PoG: Protection of Groundwater SCO
-Screening levels - Table 375- 6.8(b) in 6 NYCRR PART 375
-Screening criteria values for PFAS are taken from NYSDEC Guidelines for Sampling and Analysis of PFAS available at the time of sampling (November 2022)
-All soil data shown are from samples that remain in-situ
-Property Boundary from Metes and Bounds Survey dated 6 January 2023 by HUNT
-Excavation Isopach developed from As-Built subgrade elevations based on survey of subgrade remediation area dated 6 October 2018 and revised 6 November 2018 and survey of remediation area existing grade dated 19 June 2018 by HUNT
-Sample ground surface elevations derived from as-built survey coordinates where collected, topographic survey dated 22 September 2023 by HUNT (restoration grade), or topographic survey dated September 2016 by HUNT (pre-existing grade)
-Samples collected as part of 2024 soil investigation activities are labeled in blue
-Elevation contour of interest bolded and presented in black.

30 15 0 30 Feet

Southwestern Portion of Site Soil Data
PFAS, Metals, PCBs
(0.17-2 ft bgs)

Former Sperry Remington - North Portion #c808022
Elmira, New York

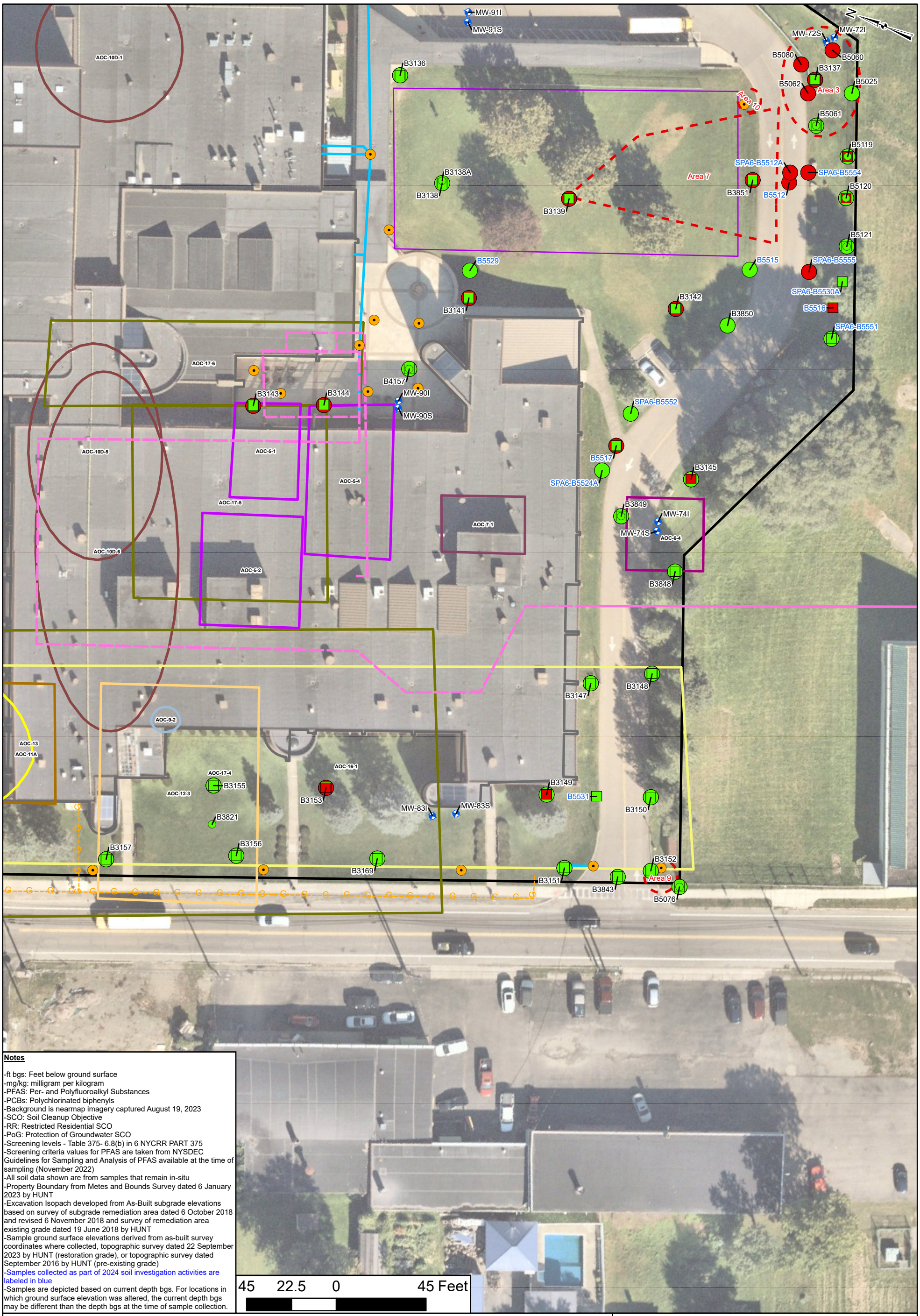
B&B Engineers & Geologists of new york, p.c.
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Pittsburgh, PA | March 2025

Figure

11B

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SW.aprx; Date: 18-Mar-2025;



Southwestern Portion of Site Soil Data PFAS, Metals, PCBs (2-4 ft bgs)

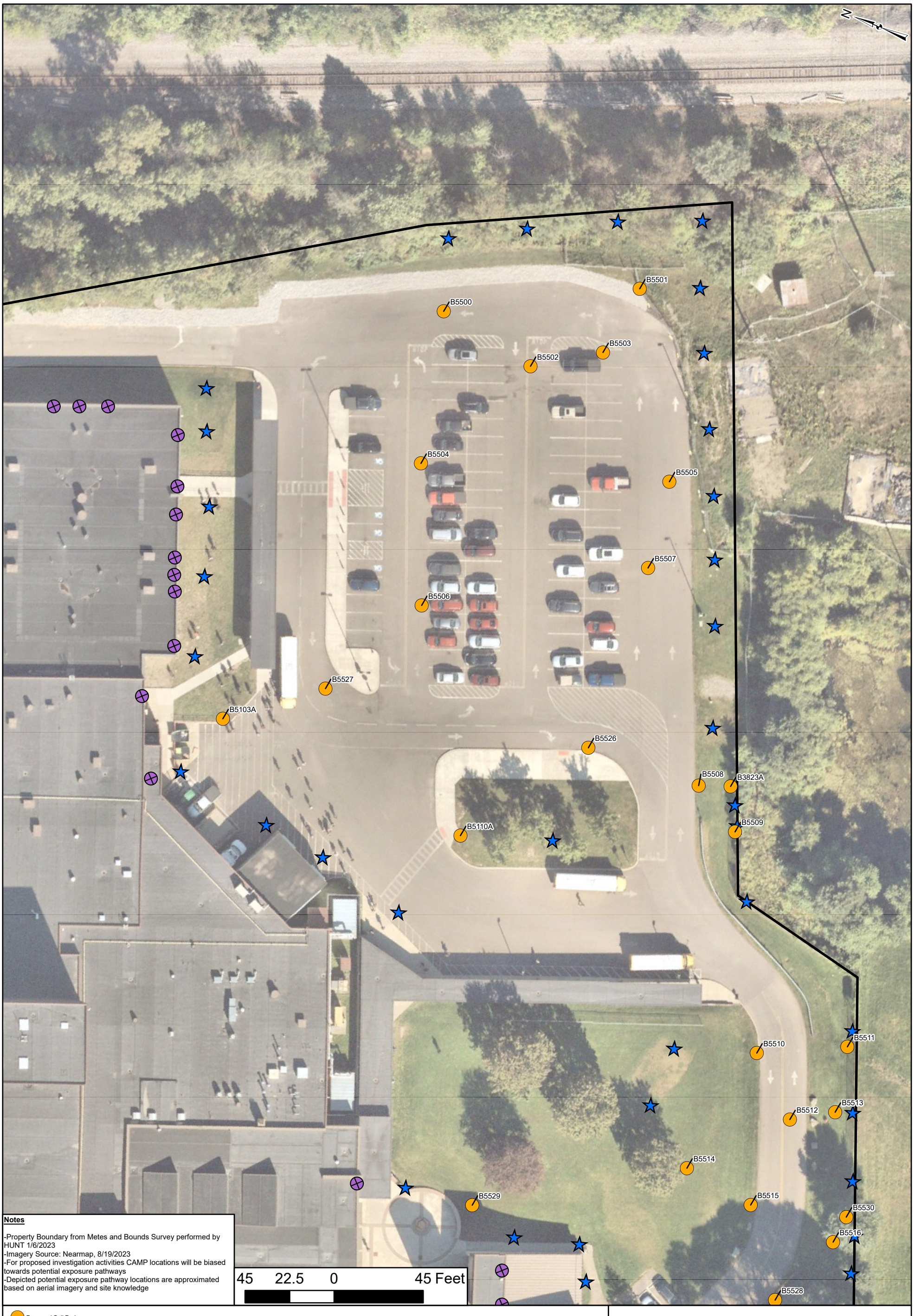
Former Sperry Remington - North Portion #c808022
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Pittsburgh, PA | March 2025

Figure 11C

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;



Notes

-Property Boundary from Metes and Bounds Survey performed by HUNT 1/6/2023
-Imagery Source: Nearmap, 8/19/2023
-For proposed investigation activities CAMP locations will be biased towards potential exposure pathways
-Depicted potential exposure pathway locations are approximated based on aerial imagery and site knowledge

Proposed Soil Boring
Potential Exposure Pathway
Proposed CAMP Locations
Property Boundary

Southeastern Portion of Site CAMP Monitoring Locations

Former Sperry Remington - North Portion #c808022
Elmira, New York

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Pittsburgh, PA | March 2025

Figure 12A

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Remedial Investigation\Southern Portion\RI - Southern Portion SE.aprx; Date: 20-Mar-2025;

B5510
B5511
B5512
B5513
B5514
B5515
B5516
B5517
B5518
B5519
B5522
B5523
B5524
B5525
B5528
B5529
B5530
B3849A

N

45 22.5 0 45 Feet

Notes
-Property Boundary from Metes and Bounds Survey performed by HUNT 1/6/2023
-Imagery Source: Nearmap, 8/19/2023
-For proposed investigation activities CAMP locations will be biased towards potential exposure pathways
-Depicted potential exposure pathway locations are approximated based on aerial imagery and site knowledge

Proposed Soil Boring
Potential Exposure Pathway
Proposed CAMP Locations
Property Boundary

Southwestern Portion of Site CAMP Monitoring Locations

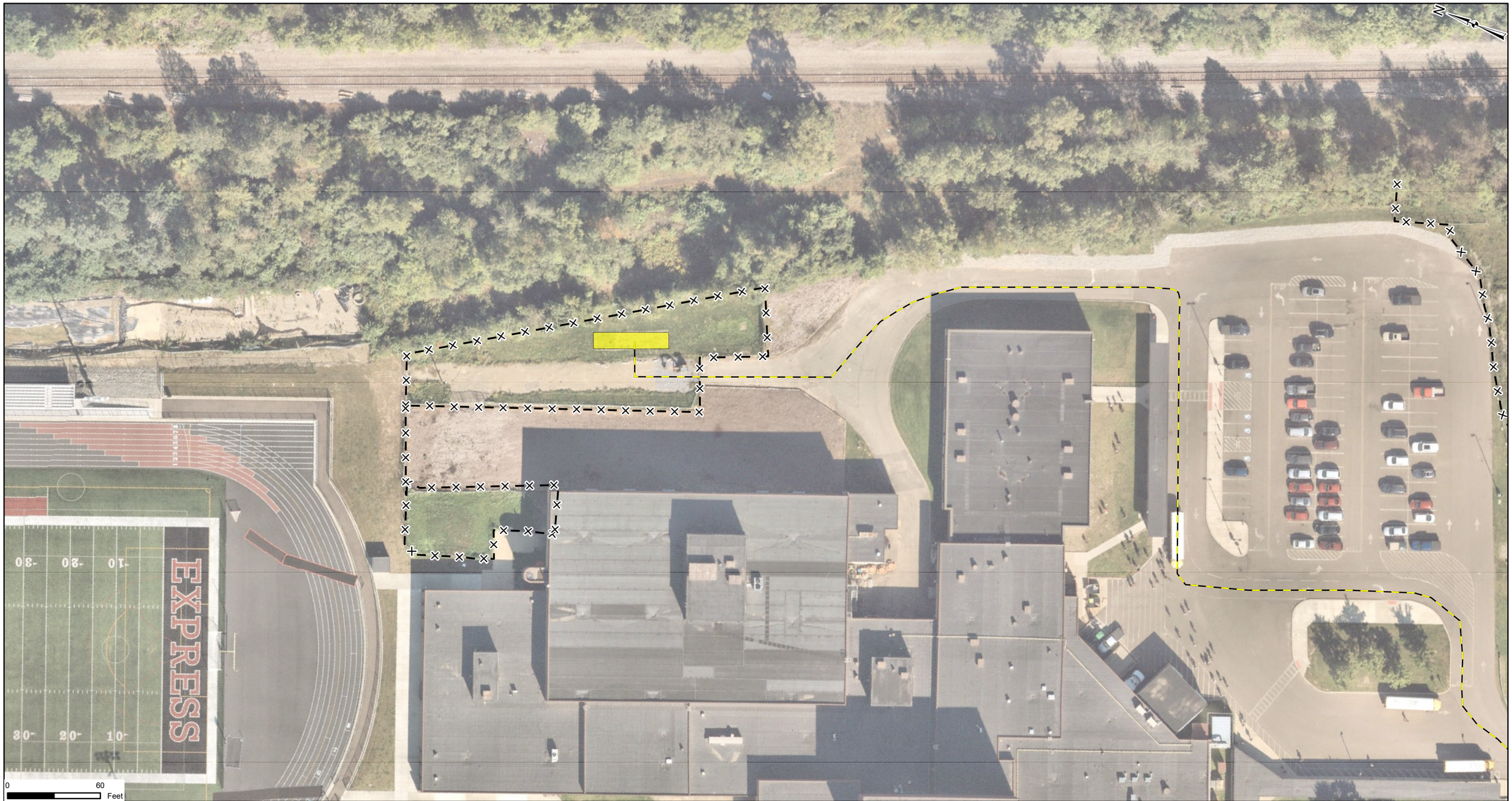
Former Sperry Remington - North Portion #c808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Pittsburgh, PA | March 2025

Figure 12B

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Legend

- Interim IDW Secondary Containment
- Fencing
- IDW Pickup Route

Notes

-Imagery Source: Nearmap, 8/19/2023
-IDW: Investigation Derived Waste

IDW Staging

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Figure 13

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TABLES

TABLE 1
Completed Soil Sampling and Analysis Plan – Addendum 4, 5, & 6
Former Sperry Remington - North Portion #c808022
Elmira, Chemung County, New York

Boring	Ground Elevation (ft amsl)	Rationale	Refusal Depth (ft bgs)	<50% Recovery	Effect of refusal or reduced recovery on RI objective	Elevation (ft amsl)														
						858-856	856-854	854-852	852-850	850-848	848-846	846-844	844-842	842-840	840-838	838-836	836-834	834-832	832-830	830-828
B3849A	854.9	838-836 ft amsl: Vertical delineation of metals at B3849	-	-	-											M				
B3823A	847.9	830-828 ft amsl: Vertical delineation of SVOCs at B3823	-	-	-															S
B5103A	853.3	842-840 ft amsl: Vertical delineation of metals at B5103	10 ft bgs - 3 attempts	-	**No effect**. B5103 845-843 ft amsl was previously reported to have a metals exceedance. Copper was reported at 270J mg/kg. The RR SCO for Copper is 270. As this value does not exceed the RR SCO it is not considered an exceedance and further investigation is not warranted.									**M**						
B5110A	853.2	834-832 ft amsl: Vertical delineation of SVOCs at B5110	-	-	-													S		
B5500	851.0	850-848 ft amsl: Lateral delineation of metals north of B5124	-	-	-					M										
B5501	849.9	832-830 ft amsl: Lateral delineation of metals north of B4153	-	-	-														M	
B5502	850.7	848-846 ft amsl: Lateral delineation of metals west of B5124 846-844 ft amsl: Lateral delineation of metals west of B5124 844-842 ft amsl: Lateral delineation of metals west of B5049 and B5141 840-838 ft amsl: Lateral delineation of metals west of B5052 838-836 ft amsl: Lateral delineation of metals west of B5049 and B5141	-	-	-						M	M	M,**S,V**		M,**S,V**	M				
B5503	850.2	848-846 ft amsl: Lateral delineation of metals west of B520 846-844 ft amsl: Lateral delineation of metals west of B520 and B5052 844-842 ft amsl: Lateral delineation of metals west of B5052	-	-	-						M	M	M							
B5503A	850.2	842-840 ft amsl: Vertical delineation of Arsenic at B5503	-	-	-									As						
B5504	851.6	838-836 ft amsl: Lateral delineation of metals north of B537	-	-	-											M				
B5505	849.9	834-832 ft amsl: Vertical delineation of PCBs in B980, B840 and B888 area	-	-	-													P		
B5506	852.0	838-836 ft amsl: Lateral delineation of metals north of B542 836-834 ft amsl: Lateral delineation of metals north of B1254	-	-	-											M	M			
B5507	850.0	834-832 ft amsl: Vertical delineation of metals at B1254, B542, B1251, and B1252 area	-	-	-													M		
B5508	850.4	832-830 ft amsl: Lateral delineation of SVOCs north of B3823	-	-	-														S	

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						858-856	856-854	854-852	852-850	850-848	848-846	846-844	844-842	842-840	840-838	838-836	836-834	834-832	832-830	830-828
B5509	847.9	846-844 ft amsl: Lateral delineation of PCBs and metals west of B3823 844-842 ft amsl: Lateral delineation of PCBs and metals west of B3823 842-840 ft amsl: Lateral delineation of metals west of B3823 840-838 ft amsl: Lateral delineation of metals west of B3823	-	-	-							P, M	P, M	M	M					
B5509A	848.2	848-846 ft amsl: Vertical delineation of PCBs at B5509 842-840 ft amsl: Vertical delineation of PCBs at B5509									P			P						
B5510	852.2	852-850 ft amsl: Lateral delineation of PCBs east of B3851	-	-	-				P											
B5511	849.0	838-836 ft amsl: Lateral delineation of SVOCs east of B5119 836-834 ft amsl: Lateral delineation of SVOCs east of B5119	-	-	-											S	S			
B5512	852.8	852-850 ft amsl: Lateral delineation of PCBs south of B3851	-	-	-				P											
B5512A	852.8	850-848 ft amsl: Vertical delineation of PCBs at B5512								P	P									
B5513	849.7	852-850 ft amsl: Lateral delineation of SVOCs south of B3851	-	-	**No effect.** No soil present at proposed elevation range.				~~S~~											
B5514	857.2	858-856 ft amsl: Lateral delineation of SVOCs west of B3140	-	-	-	S														
B5515	852.8	852-850 ft amsl: Lateral delineation of PCBs west of B3851	-	-	-				P											
B5516	850.0	854-852 ft amsl: Lateral delineation of PCBs south of B3142 and B3141 850-848 ft amsl: Lateral delineation of metals west of B5121 848-846 ft amsl: Lateral delineation of metals west of B5121	-	-	**No effect.** No soil present at proposed elevation range.			~~P~~		M	M									
B5516A	850.0	846-844 ft amsl: Vertical delineation of Arsenic and Copper at B5516										**As, Cu**								
B5517	854.7	854-852 ft amsl: Lateral delineation of PCBs and metals north of B3145 852-850 ft amsl: Lateral delineation of PCBs and metals north of B3145, lateral delineation of metals east of B3849 850-848 ft amsl: Lateral delineation of PCBs north of B3145, lateral delineation of metals east of B3849 848-846 ft amsl: Lateral delineation of PCBs north of B3145 840-838 ft amsl: Lateral delineation metals north of B3849	-	Yes - 840-838 ft amsl. 3 attempts.	**No effect.** Sample collected.			P, M	P, M	P, M	P				M					
B5519	850.7	854-852 ft amsl: Lateral delineation of metals west of B3149 852-850 ft amsl: Lateral delineation of metals west of B3149	-	-	**No effect.** No soil present at proposed elevation range.			~~M~~	M											
B5526	851.2	844-842 ft amsl: Lateral delineation of metals north of B5081	-	-	-								M							

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Elmira, Chemung County, New York

Boring	Ground Elevation (ft amsl)	Rationale	Refusal Depth (ft bgs)	<50% Recovery	Effect of refusal or reduced recovery on RI objective	Elevation (ft amsl)														
						858-856	856-854	854-852	852-850	850-848	848-846	846-844	844-842	842-840	840-838	838-836	836-834	834-832	832-830	830-828
B5527	852.8	848-846 ft amsl: Lateral delineation of metals south/southeast of B5103 846-844 ft amsl: Lateral delineation of metals south/southeast of B5103 844-842 ft amsl: Lateral delineation of metals south/southeast of B5103	-	-	-						M	M,S,V	M							
B5528	853.3	848-846 ft amsl: Lateral delineation of metals west of B5101	-	-	-						M									
B5529	858.4	856-854 ft amsl: Lateral delineation of PCBs east of B3141 854-852 ft amsl: Lateral delineation of PCBs east of B3141	-	-	-		P	P												
B5083A	852.3	842-840 ft amsl: Lateral delineation of metals north of B5061 (DEC Comment #1.a.)	-	-	-									M						
B5531	851.3	Ground surface-842 ft amsl: Lateral delineation of south of B5061 (DEC Comment #1.b.)	-	-	-				M	M	M	M	M							
B5550	849.2	848-840 ft amsl: Lateral delineation of PCBs at B5509 to the west									P	P	P, As	P	P					
B5551	849.8	850-848 ft amsl: Lateral delineation of Arsenic at B5516 to the west 848-846 ft amsl: Lateral delineation of Arsenic and Copper at B5516 to the west								As	As, Cu									
B5552	854.5	854-852 ft amsl: Lateral delineation of PCBs at B5517 to the east						P	P											
B5554	852.1	852-850 ft amsl: Lateral delineation of PCBs at B5512 to the south							P	P										
B5555	852.5	852-850 ft amsl: Lateral delineation of PCBs at B5512 to the west							P	P										
B65A		838-836 ft amsl: Vertical delineation of Arsenic at B65 (DEC comment 9.a)														As	As			
B537A		836-834 ft amsl: Vertical delineation of Arsenic at B537 (DEC comment 9.a)															As			

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TABLE 1
Completed Soil Sampling and Analysis Plan – Addendum 4, 5, & 6
Former Sperry Remington - North Portion #c808022
Elmira, Chemung County, New York

Boring	Ground Elevation (ft amsl)	Rationale	Refusal Depth (ft bgs)	<50% Recovery	Effect of refusal or reduced recovery on RI objective	Depth (ft bgs)	
						0-0.17	0.17-2
B5518	854.5	0-0.17 ft bgs: Lateral delineation of PCBs north of B3146	-	-	-	P	
B5522	854.6	0-0.17 ft bgs: Lateral delineation of PCBs south of B3146, east of B3848	-	-	-	P	
B5523	855.2	0-0.17 ft bgs: Lateral delineation of PCBs west of B3848	-	-	-	P	
B5524	854.9	0.17-2 ft bgs: Lateral delineation of PCBs north of B3145	-	-	-		P
B5525	852.8	0.17-2 ft bgs: Lateral delineation of PCBs south of B3145	-	-	-		P
B5530	849.7	0.17-2 ft bgs: Lateral delineation of Metals south of B5121	-	-	-		M
B5540	854.2	0.17-2 ft bgs: Lateral delineation of PCBs north of B5043	-	-	-		P
B5541	854.6	0.17-2 ft bgs: Lateral delineation of PCBs west of B5043	-	-	-		P
B5542	854.1	0.17-2 ft bgs: Lateral delineation of PCBs south of B5043	-	-	-		P
B5544	855.0	0.17-2 ft bgs: Lateral delineation of PCBs west of B5043	-	-	-		P
B5545	853.9	0.17-2 ft bgs: Lateral delineation of PCBs south of B5043	-	-	-		P

Boring	Ground Elevation (ft amsl)	Rationale	Refusal Depth (ft bgs)	<50% Recovery	Effect of refusal or reduced recovery on RI objective	Depth (ft bgs)		
			-	-	-	0-0.17	0.17-2	2-4
B5524A	854.9	2-4 ft bgs: Vertical delineation of PCBs at B5524	-	-	-			P
B5530A	849.7	2-4 ft bgs: Vertical delineation of Arsenic and Cadmium at B5530	-	-	-			As, Cd
B5553	854.9	0.17-2 ft bgs: Lateral delineation of PCBs at B5524 to the west	-	-	-		P	
B5551	849.8	2-4 ft bgs: Lateral deineation of PCBs at B3141 and B3142 to the South	-	-	-			P

Notes:
P - PCB analysis by SW-846 8082
M - Metals by SW-846 6010/7471
S - SVOC analysis by SW-846 8270
V - VOC analysis by SW-846 8260
As - Arsenic by SW-846 6010
Cu - Copper by SW-846 6010
Cd - Cadmium by SW-846 6010

Red font denotes sample was unable to be collected due to refusal
Struck through font denotes sample was unable to be collected due to surveyed ground surface elevation, the proposed elevation range for sample collection was above surveyed ground surface
Blue font denotes samples with PID readings > 10 ppm, VOC and SVOC analysis added to sample locations
Indicates sample recovery was <50%, but sample was collected
ft bgs - feet below ground surface
ft amsl - feet above mean seal level
Ground surface elevations in north america vertical datum 1988
Survey conducted by New York State registered land surveyor
DEC limited Notice to Proceed comment letter provided 9 August 2024 and 6 December 2024

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Table 2A
Southern Portion of Site Soil Data August/December 2024 – PCBs
Former Sperry Remington Site - North Portion
Elmira, NY

									PCBs								
								Total PCBs	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential								1									
Protection of Groundwater								3.2									
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth										
SSHS-A5-B5540	SSHS-A5-B5540-0.17-2	9/6/2024	1801794851	0.17 - 2 ft	854.18	0.17	2	0.747	< 0.018 UT	< 0.018 U	< 0.018 U	< 0.018 U	0.49	0.22	0.037 T	< 0.018 U	< 0.018 U
SSHS-A5-B5541	SSHS-A5-B5541-0.17-2	9/6/2024	1801794851	0.17 - 2 ft	854.57	0.17	2	0.0083	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.0083 J	< 0.018 U	< 0.018 U	< 0.018 U
SSHS-A5-B5542	SSHS-A5-B5542-0.17-2	9/6/2024	1801794851	0.17 - 2 ft	854.08	0.17	2	1.98	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	1.3	0.57	0.11	< 0.018 U	< 0.018 U
SSHS-A5-B5544	SSHS-A5-B5544-0.17-2	9/6/2024	1801794853	0.17 - 2 ft	855.02	0.17	2	0.1	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.1	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U
SSHS-A5-B5545	SSHS-A5-B5545-0.17-2	9/6/2024	1801794852	0.17 - 2 ft	853.88	0.17	2	3.43	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	2.3	0.95	0.18	< 0.018 U	< 0.018 U
SSHS-A5-B5545	SSHS-A5-DUP1	9/6/2024	1801794852	0.17 - 2 ft	853.88	0.17	2	5.97	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	3.6	2.1	0.27	< 0.018 U	< 0.018 U
SPA4-B5505	SSHS-SPA4-B5505-ELEV-834-832	8/12/2024	1801782961	16-18 ft	850.15	16	18	0.062	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.062	< 0.02 U	< 0.02 U	< 0.02 U
SPA4-B5509	SSHS-SPA4-B5509-ELEV-846-844	8/15/2024	1801785321	2-4 ft	847.90	2	4	6.84	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	3.3	2.7	0.84	< 0.02 U	< 0.02 U
SPA4-B5509	SSHS-SPA4-B5509-ELEV-844-842	8/15/2024	1801785321	4-6 ft	847.90	4	6	1.03	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.47	0.42	0.14	< 0.02 U	< 0.02 U
SPA4-B5509	SSHS-SPA4-DUP-02	8/15/2024	1801785321	4-6 ft	847.90	4	6	1.72	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.7	0.78	0.24	< 0.019 U	< 0.019 U
SPA4-B5510	SSHS-SPA4-B5510-ELEV-852-850	8/13/2024	1801783741	0-2 ft	852.24	0	2	0.15	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.15	< 0.019 U	< 0.019 U	< 0.019 U
SPA4-B5512	SSHS-SPA4-B5512-ELEV-852-850	8/13/2024	1801783741	1-3 ft	852.80	1	3	3.6	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	2	1.4	0.2	< 0.018 U	< 0.018 U
SPA4-B5515	SSHS-SPA4-B5515-ELEV-852-850	8/14/2024	1801784391	1-3 ft	852.83	1	3	0.1	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.1	< 0.018 U	< 0.018 U	< 0.018 U
SPA4-B5517	SSHS-SPA4-B5517-ELEV-854-852	8/14/2024	1801784391	1-3 ft	854.70	1	3	5	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	3.9	1.1	< 0.019 U	< 0.019 U	< 0.019 U
SPA4-B5517	SSHS-SPA4-B5517-ELEV-852-850	8/14/2024	1801784391	3-5 ft	854.70	3	5	0.087	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.062	0.025	< 0.018 U	< 0.018 U	< 0.018 U
SPA4-B5517	SSHS-SPA4-DUP-04	8/14/2024	1801784391	3-5 ft	854.70	3	5	0.32	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.22	0.1	< 0.018 U	< 0.018 U	< 0.018 U
SPA4-B5517	SSHS-SPA4-B5517-ELEV-850-848	8/14/2024	1801784391	5-7 ft	854.70	5	7	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.11	0.05	< 0.018 U	< 0.018 U	< 0.018 U
SPA4-B5517	SSHS-SPA4-B5517-ELEV-848-846	8/14/2024	1801784391	7-9 ft	854.70	7	9	0.01	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.01 J	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U
SPA4-B5518	SSHS-SPA4-B5518-SUB-0-0.17	8/13/2024	1801783741	0 - 0.17 ft	854.47	0	0.17	0.036	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	0.036	< 0.021 U	< 0.021 U	< 0.021 U
SPA4-B5522	SSHS-SPA4-B5522-SUB-0-0.17	8/13/2024	1801783741	0 - 0.17 ft	854.62	0	0.17	0.13	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	0.13	< 0.022 U	< 0.022 U	< 0.022 U
SPA4-B5523	SSHS-SPA4-B5523-SUB-0-0.17	8/13/2024	1801783741	0 - 0.17 ft	855.21	0	0.17	0.12	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.12	< 0.02 U	< 0.02 U	< 0.02 U
SPA4-B5524	SSHS-SPA4-B5524-SUB-0.17-2	8/14/2024	1801784391	0.17 - 2 ft	854.86	0.17	2	5.4	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	4.3	1.1	< 0.019 U	< 0.019 U	< 0.019 U
SPA4-B5525	SSHS-SPA4-B5525-SUB-0.17-2	8/14/2024	1801784391	0.17 - 2 ft	852.75	0.17	2	0.207	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.13	0.077	< 0.02 U	< 0.02 U
SPA4-B5529	SSHS-SPA4-B5529-ELEV-856-854	8/14/2024	1801784391	2-4 ft	858.45	2	4	0.097	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.063	0.034	< 0.018 U	< 0.018 U	< 0.018 U
SPA4-B5529	SSHS-SPA4-B5529-ELEV-854-852	8/14/2024	1801784391	4-6 ft	858.45	4	6	ND	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U
SPA6-B5509A	SSHS-SPA6-B5509A-ELEV-848-846	12/7/2024	1801838851	0.2-2.2 ft	847.95	0.2	2.2	1.74	< 0.021 UT	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	1.3	0.44 T	< 0.021 U	< 0.021 U
SPA6-B5509A	SSHS-SPA6-B5509A-ELEV-842-840	12/7/2024	1801838851	6.2-8.2 ft	847.95	6.2	8.2	0.499	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.2	0.22	0.079	< 0.019 U	< 0.019 U
SPA6-B5512A	SSHS-SPA6-B5512A-ELEV-850-848	12/7/2024	1801838851	2.8-4.8 ft	852.73	2.8	4.8	1.47	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.99	0.48	< 0.018 U	< 0.018 U	< 0.018 U
SPA6-B5512A	SSHS-SPA6-B5512A-ELEV-848-846	12/7/2024	1801838852	4.8-6.8 ft	852.73	4.8	6.8	ND	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
SPA6-B5524A	SSHS-SPA6-B5524A-SUB-2-4	12/7/2024	1801838851	2 - 4 ft	854.87	2	4	0.109	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.072	0.037	< 0.019 U	< 0.019 U	< 0.019 U
SPA6-B5550	SSHS-SPA6-B5550-ELEV-848-846	12/7/2024	1801838851	1.2-3.2 ft	849.24	1.2	3.2	0.81	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.41	0.29	0.11	< 0.02 U	< 0.02 U
SPA6-B5550	SSHS-SPA6-DUP-02	12/7/2024	1801838851	1.2-3.2 ft	849.24	1.2	3.2	1.17	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.54	0.47	0.16	< 0.019 U	< 0.019 U
SPA6-B5550	SSHS-SPA6-B5550-ELEV-846-844	12/7/2024	1801838851	3.2-5.2 ft	849.24	3.2	5.2	1.38	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.65	0.53	0.2	< 0.019 U	< 0.019 U
SPA6-B5550	SSHS-SPA6-B5550-ELEV-844-842	12/7/2024	1801838851	5.2-7.2 ft	849.24	5.2	7.2	1.07	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.53	0.4	0.14	< 0.019 U	< 0.019 U
SPA6-B5550	SSHS-SPA6-DUP-05	12/7/2024	1801838851	5.2-7.2 ft	849.24	5.2	7.2	1.17	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.45	0.53	0.19	< 0.02 U	< 0.02 U
SPA6-B5550	SSHS-SPA6-B5550-ELEV-842-840	12/7/2024	1801838851	7.2-9.2 ft	849.24	7.2	9.2	1.61	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.66	0.69	0.26	< 0.02 U	< 0.02 U
SPA6-B5550	SSHS-SPA6-B5550-ELEV-840-838	12/7/2024	1801838852	9.2-11.2 ft	849.24	9.2	11.2	0.74	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.29	0.35	0.1	< 0.019 U	< 0.019 U
SPA6-B5551	SSHS-SPA6-B5551-ELEV-848-846	12/7/2024	1801838851	1.8-3.8 ft	849.77	1.8	3.8	0.034	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.022	0.012 J	< 0.018 U	< 0.018 U	< 0.018 U
SPA6-B5552	SSHS-SPA6-B5552-ELEV-854-852	12/7/2024	1801838851	0.5-2.5 ft	854.47	0.5	2.5	0.25	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.25	< 0.019 U	< 0.019 U	< 0.019 U
SPA6-B5552	SSHS-SPA6-B5552-ELEV-852-850	12/7/2024	1801838852	2.5-4.5 ft	854.47	2.5	4.5	0.116	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.079	0.037	< 0.018 U	< 0.018 U
SPA6-B5553	SSHS-SPA6-B5553-SUB-0.17-2	12/7/2024	1801838851	0.17 - 2 ft	854.88	0.17	2	0.4	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.23	0.17	< 0.019 U	< 0.019 U	< 0.019 U
SPA6-B5553	SSHS-SPA6-DUP-04	12/7/2024	1801838851	0.17 - 2 ft	854.88	0.17	2	0.66	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.45	0.21	< 0.019 U	< 0.019 U	< 0.019 U
SPA6-B5554	SSHS-SPA6-B5554-ELEV-852-850	12/7/2024	1801838851	0.1-2.1 ft	852.05	0.1	2.1	2.17	< 0.018 UT	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	1.7	0.47 T	< 0.018 U	< 0.018 U
SPA6-B5554	SSHS-SPA6-B5554-ELEV-850-848	12/7/2024	1801838852	2.1-4.1 ft	852.05	2.1	4.1	0.088	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.05	0.038	< 0.019 U	< 0.019 U	< 0.019 U
SPA6-B5555	SSHS-SPA6-B5555-ELEV-852-850	12/7/2024	1801838851	0.5-2.5 ft	852.53	0.5	2.5	7.21	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	4.1	2.6	0.51	< 0.019 U	< 0.019 U
SPA6-B5555	SSHS-SPA6-B5555-ELEV-850-848	12/7/2024	1801838852	2.5-4.5 ft	852.53	2.5	4.5	5.8	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	5.8	< 0.019 U	< 0.019 U	< 0.019 U

Notes
PCBs - Polychlorinated Biphenyls
mg/kg - milligrams per kilogram
ND - Non Detect
ft bgs - Feet Below Ground Surface
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T - Indicates that a quality control parameter has exceeded laboratory limits
U - non-detect at the value indicated
Analyte concentrations detected above Restricted Residential Soil Cleanup Objectives are presented in light gray
Analyte concentrations detected above Protection of Groundwater Soil Cleanup Objectives are presented in blue font

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Table 2B
Southern Portion of Site Soil Data August/December 2024 – Metals
Former Sperry Remington Site - North Portion
Elmira, NY

								Metals														
								Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium (III+VI)	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential										16	400	72	4.3		110		270		400		2000	0.81	310
Protection of Groundwater										16	820	47	7.5		19		1720		450		2000	0.73	130
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth																
SPA4-B3849A	SSHS-SPA4-B3849A-ELEV-838-836	8/14/2024	1801784391	17-19 ft	854.90	17	19	6800	< 2.2 U	7.2	64	0.31 J	0.16 J	1400	12	6.8	28	18000	11	2300	800	< 0.14 U	41
SPA4-B5083A	SSHS-SPA4-B5083A-ELEV-842-840	8/15/2024	1801785321	10-12 ft	852.30	10	12	11000	< 1.9 U	8.0	88	0.11 J	0.13 J	74000	16	7.0	18	15000	17	4400	430	0.020 J	17
SPA4-B5500	SSHS-SPA4-B5500-ELEV-850-848	8/12/2024	1801782961	1-3 ft	851.03	1	3	6100	< 2.0 U	4.7	49	0.14 J	0.15 J	67000	8.4	5.6	21	14000	27	9200	370	< 0.11 U	17
SPA4-B5501	SSHS-SPA4-B5501-ELEV-832-830	8/15/2024	1801785321	18-20 ft	849.85	18	20	4300	< 1.7 U	5.0	44	0.14 J	0.071 J	530	7.0	3.4	21	14000	7.8	1600	160	< 0.11 U	11
SPA4-B5502	SSHS-SPA4-B5502-ELEV-848-846	8/12/2024	1801782961	3-5 ft	850.65	3	5	5800	0.62 J	46	88	0.24 J	0.30 J	14000	19	5.0	55	45000	170	3000	180	0.041 J	67
SPA4-B5502	SSHS-SPA4-B5502-ELEV-846-844	8/12/2024	1801782961	5-7 ft	850.65	5	7	8600	0.49 J	14	64	0.38 J	0.52	18000	29	7.6	130	31000	130	3500	240	< 0.12 U	96
SPA4-B5502	SSHS-SPA4-DUP-01	8/12/2024	1801782961	5-7 ft	850.65	5	7	6400	0.83 J	20	59	0.35 J	0.41 J	24000	14	10	49	37000	110	4600	460	0.022 J	71
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	10000	0.40 J	7.7	83	0.49 J	0.21 J	8100	16	8.9	150	25000	44	2900	170	< 0.12 U	68
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	5100	< 2.0 U	6.9	49	0.30 J	0.15 J	1400	11	6.3	70	12000	12	1200	690	< 0.14 U	27
SPA4-B5502	SSHS-SPA4-B5502-ELEV-838-836	8/12/2024	1801782961	13-15 ft	850.65	13	15	7400	< 2.1 U	7.7	73	0.40 J	0.41 J	15000	19	8.8	150	21000	31	5000	2000	< 0.13 U	76
SPA4-B5503	SSHS-SPA4-B5503-ELEV-848-846	8/12/2024	1801782961	2-4 ft	850.21	2	4	7400	< 2.0 UT	5.2	48	0.13 J	0.17 J	72000	11	6.2	25	17000	11 T	14000 T	360	0.081 JT	19
SPA4-B5503	SSHS-SPA4-B5503-ELEV-846-844	8/12/2024	1801782961	4-6 ft	850.21	4	6	4000	1.2 J	41	490	0.27 J	0.41 J	20000	21	6.7	140	92000	640	1500	400	2.1	38
SPA4-B5503	SSHS-SPA4-B5503-ELEV-844-842	8/12/2024	1801782961	6-8 ft	850.21	6	8	10000	0.71 J	18	260	0.51 J	0.24 J	20000	36	8.9	260	56000	220	7400	220	0.075 J	67
SPA4-B5504	SSHS-SPA4-B5504-ELEV-838-836	8/12/2024	1801782961	14-16 ft	851.70	14	16	6400	0.70 J	6.8	58	0.29 J	0.17 J	6100	26	7.5	31	16000	14	2600	660	< 0.11 U	22
SPA4-B5506	SSHS-SPA4-B5506-ELEV-838-836	8/12/2024	1801782961	14-16 ft	851.97	14	16	8700	< 2.2 U	5.5	85	0.36 J	0.16 J	4900	33	7.8	31	20000	11	2700	480	< 0.12 U	22
SPA4-B5506	SSHS-SPA4-B5506-ELEV-836-834	8/12/2024	1801782961	16-18 ft	851.97	16	18	5600	< 2.4 U	5.6	55	0.28 J	0.17 J	2000	8.4	5.4	22	15000	7.9	2000	690	< 0.14 U	16
SPA4-B5507	SSHS-SPA4-B5507-ELEV-834-832	8/13/2024	1801783741	16-18 ft	850.29	16	18	5500	< 2.3 UT	8.0	65	0.17 J	0.075 J	890	12	3.3	27	23000	7.1	2000	350 T	< 0.029 U	11
SPA4-B5509	SSHS-SPA4-B5509-ELEV-846-844	8/15/2024	1801785321	2-4 ft	847.90	2	4	5200	< 2.3 U	11	100	0.37 J	0.19 J	3100	11	5.5	35	17000	41	1400	180	0.094 J	25
SPA4-B5509	SSHS-SPA4-B5509-ELEV-844-842	8/15/2024	1801785321	4-6 ft	847.90	4	6	5900	< 2.2 U	18	270	0.42 J	0.37 J	11000	22	8.0	120	26000	190	2200	330	0.11	91
SPA4-B5509	SSHS-SPA4-DUP-02	8/15/2024	1801785321	4-6 ft	847.90	4	6	7300	< 2.3 U	16	240	0.33 J	0.38 J	24000	23	8.0	120	30000	170	2900	430	0.13	96
SPA4-B5509	SSHS-SPA4-B5509-ELEV-842-840	8/15/2024	1801785321	6-8 ft	847.90	6	8	6400	< 1.7 U	12	170	0.40 J	0.23 J	8400	18	6.4	66	20000	85	2000	240	0.096 J	54
SPA4-B5509	SSHS-SPA4-B5509-ELEV-840-838	8/15/2024	1801785321	8-10 ft	847.90	8.000	10	9000	< 2.3 U	10	200	0.45 J	0.35 J	8400	21	9.2	55	24000	63	2600	1400	0.058 J	44
SPA4-B5516	SSHS-SPA4-B5516-ELEV-850-848	8/13/2024	1801783741	0-2 ft	849.97	0	2	10000	< 1.7 U	17	160	0.74	3.0	18000	13	15	34	22000	46	2800	580	0.057	41
SPA4-B5516	SSHS-SPA4-B5516-ELEV-848-846	8/13/2024	1801783741	2-4 ft	849.97	2	4	6700	< 1.7 U	20	180	0.45	1.3	20000	15	11	5500	41000	140	2500	510	0.15	50
SPA4-B5517	SSHS-SPA4-B5517-ELEV-854-852	8/14/2024	1801784391	1-3 ft	854.70	1	3	8900	< 2.1 U	8.6	120	0.43 J	0.58	5500	16	7.8	55	23000	100	2500	400	0.028 J	44
SPA4-B5517	SSHS-SPA4-B5517-ELEV-852-850	8/14/2024	1801784391	3-5 ft	854.70	3	5	8000	< 1.9 U	6.8	78	0.30 J	0.23 J	11000	16	7.8	34	25000	43	3300	470	< 0.12 U	30
SPA4-B5517	SSHS-SPA4-DUP-04	8/14/2024	1801784391	3-5 ft	854.70	3	5	6500	< 2.1 U	5.9	56	0.29 J	0.19 J	18000	13	6.7	38	22000	34	3500	370	< 0.11 U	27
SPA4-B5517	SSHS-SPA4-B5517-ELEV-850-848	8/14/2024	1801784391	5-7 ft	854.70	5	7	7200	1.7 JT	6.1	44	0.23 J	0.17 J	20000 T	10	7.4	22	18000	10	7900 T	360 T	< 0.13 U	19
SPA4-B5517	SSHS-SPA4-B5517-ELEV-840-838	8/14/2024	1801784391	15-17 ft	854.70	15	17	9300	< 1.9 U	5.9	100	0.45 J	0.21 J	1600	12	9.5	26	19000	8.6	2400	290	< 0.12 U	24
SPA4-B5519	SSHS-SPA4-B5519-ELEV-852-850	8/14/2024	1801784391	0-0.7 ft	850.66	0	0.7	8100	< 2.3 U	5.5	70	0.34 J	0.28 J	6900	15	6.5	22	15000	30	2900	470	0.028 J	18
SPA4-B5526	SSHS-SPA4-B5526-ELEV-844-842	8/13/2024	1801783741	7-9 ft	850.99	7	9	7300	< 2.1 U	16	92	0.45 J	0.22 J	34000	20	5.9	44	22000	64	3100	360	0.23	43
SPA4-B5527	SSHS-SPA4-B5527-ELEV-848-846	8/13/2024	1801783741	5-7 ft	852.73	5	7	8800	< 2.3 U	8.0	91	0.39 J	0.18 J	25000	15	7.2	35	19000	33	4500	430	0.18	26
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	11000	< 1.7 U	13	190	0.49	0.14 J	7200	19	8.6	49	21000	14	3000	2900	0.11	35
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	8000	< 1.7 U	6.6	88	0.32 J	0.15 J	17000	21	6.9	48	18000	26	4500	460	0.036	28
SPA4-B5527	SSHS-SPA4-B5527-ELEV-844-842	8/13/2024	1801783741	9-11 ft	852.73	9	11	7400	< 1.5 U	9.7	67	0.19 J	0.16 J	47000	16	6.0	27	18000	15	4700	300	0.27	21
SPA4-B5528	SSHS-SPA4-B5528-ELEV-848-846	8/13/2024	1801783741	5-7 ft	853.34	5	7	10000	< 2.1 U	7.7	58	0.36 J	0.071 J	27000	13	11	33	20000	14	3300	430	0.035	20
SPA4-B5530	SSHS-SPA4-B5530-SUB-0.17-2	8/13/2024	1801783741	0.17 - 2 ft	849.70	0.17	2	7500	< 2.3 U	19	120	0.37 J	4.5	14000	14	11	62	29000	98	2800	410	0.068	45
SPA4-B5531	SSHS-SPA4-B5531-ELEV-852-850	8/15/2024	1801785321	0-1 ft	851.29	0	1	7500	< 2.0 UT	8.1	95	0.45 J	2.6	8200 T	13	10	26	19000	31	3100	460	0.042 J	23
SPA4-B5531	SSHS-SPA4-B5531-ELEV-850-848	8/15/2024	1801785321	1-3 ft	851.29	1	3	9300	< 2.0 U	11	130	0.68	0.43 J	2100	12	9.9	24	21000	23	2000	380	0.049 J	18
SPA4-B5531	SSHS-SPA4-B5531-ELEV-848-846	8/15/2024	1801785321	3-5 ft	851.29	3	5	12000	< 2.1 U	9.2	65	0.56	0.17 J	790	14	12	19	24000	13	2900	540	< 0.13 U	24
SPA4-B5531	SSHS-SPA4-B5531-ELEV-846-844	8/15/2024	1801785321	5-7 ft	851.29	5	7	8100	< 1.8 U	6.9	59	0.37 J	0.11 J	570	9.9	7.9	16	18000	14	2000	410	< 0.13 U	17
SPA4-B5531	SSHS-SPA4-B5531-ELEV-844-842	8/15/2024	1801785321	7-9 ft	851.29	7	9	7300	< 1.8 U	8.5	81	0.38 J	0.16 J	4100	10	7.5	20	18000	8.7	2000	380	< 0.12 U	17
SPA6-B537A	SSHS-SPA6-B537A-ELEV-836-834	12/7/2024	1801838841	14-16 ft	850.20	14	16	--	--	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--
SPA6-B5503A	SSHS-SPA6-B5503A-ELEV-842-840	12/7/2024	1801838841	8.2-10.2 ft	850.22	8.2	10.2	--	--	6.3	--	--	--	--	--	--	--	--	--	--	--	--	--
SPA6-B5516A	SSHS-SPA6-B5516A-ELEV-846-844	12/7/2024	1801838851	4-6 ft	850.12	4	6	--	--	10	--	--	--	--	--	--	35	--	--	--	--	--	--
SPA6-B5516A	SSHS-SPA6-DUP-01	12/7/2024	1801838851	4-6 ft	850.12	4	6	--	--	8.0	--	--	--	--	--	--	37	--	--	--	--	--	--
SPA6-B5530A	SSHS-SPA6-B5530A-SUB-2-4	12/7/2024	1801838851	2 - 4 ft	849.57	2	4	--	--	15	--	--	0.17 J	--	--	--	--	--	--	--	--	--	--
SPA6-B5550	SSHS-SPA6-B5550-ELEV-844-842	12/7/2024	1801838851	5.2-7.2 ft	849.24	5.2	7.2	--	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--
SPA6-B5551	SSHS-SPA6-B5551-ELEV-850-848	12/7/2024	1801838851	0-1.8 ft	849.77	0	1.8	--	--	6.3	--	--	--	--	--	--	--	--	--	--	--	--	--
SPA6-B5551	SSHS-SPA6-B5551-ELEV-848-846	12/7/2024	1801838851	1.8-3.8 ft	849.77	1.8	3.8	--	--	6.2	--	--	--	--	--	--	34	--	--	--	--	--	--
SPA6-B65A	SSHS-SPA6-B65A-ELEV-838-836	12/7/2024	1801838841	12.17 - 14.17 ft	850.17	12.17	14.17	--	--	39	--	--	--	--	--	--	--	--	--	--	--	--	--
SPA6-B65A	SSHS-SPA6-B65A-ELEV-836-834	12/7/2024	1801838842	14.17 - 16.17 ft	850.17	14.17	16.17	--	--	15	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
mg/kg - milligrams per kilogram
ft bgs - Feet Below Ground Surface
B - Compound detected in method blank
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T - Indicates that a quality control parameter has exceeded laboratory limits
U - non-detect at the value indicated
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Analyte concentrations detected above Restricted Residential Soil Cleanup Objectives are presented in light gray
Analyte concentrations detected above Protection of Groundwater Soil Cleanup Objectives are presented in blue font

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Table 2B
Southern Portion of Site Soil Data August/December 2024 – Metals
Former Sperry Remington Site - North Portion
Elmira, NY

								Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential									180	180				10000
Protection of Groundwater									4	8.3				2480
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth							
SPA4-B3849A	SSHS-SPA4-B3849A-ELEV-838-836	8/14/2024	1801784391	17-19 ft	854.90	17	19	750	0.58 J	< 1.1 U	< 550 U	< 2.2 U	9.5	75
SPA4-B5083A	SSHS-SPA4-B5083A-ELEV-842-840	8/15/2024	1801785321	10-12 ft	852.30	10	12	760	< 1.9 U	< 0.97 U	190 J	< 1.9 U	12	52
SPA4-B5500	SSHS-SPA4-B5500-ELEV-850-848	8/12/2024	1801782961	1-3 ft	851.03	1	3	690	< 2.0 U	< 0.98 U	570	0.39 J	11	64
SPA4-B5501	SSHS-SPA4-B5501-ELEV-832-830	8/15/2024	1801785321	18-20 ft	849.85	18	20	550	< 1.7 U	< 0.84 U	< 420 U	< 1.7 U	5.7	45
SPA4-B5502	SSHS-SPA4-B5502-ELEV-848-846	8/12/2024	1801782961	3-5 ft	850.65	3	5	680	2.7	< 0.99 U	290 J	< 2.0 U	15	77
SPA4-B5502	SSHS-SPA4-B5502-ELEV-846-844	8/12/2024	1801782961	5-7 ft	850.65	5	7	580	1.2 J	< 0.97 U	220 J	< 1.9 U	13	150
SPA4-B5502	SSHS-SPA4-DUP-01	8/12/2024	1801782961	5-7 ft	850.65	5	7	560	1.3 J	< 1.0 U	190 J	< 2.0 U	11	360
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	960	0.62 J	< 1.1 U	220 J	< 2.2 U	15	120
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	680	< 2.0 U	0.19 BJ	< 500 U	< 2.0 U	9.3	96
SPA4-B5502	SSHS-SPA4-B5502-ELEV-838-836	8/12/2024	1801782961	13-15 ft	850.65	13	15	800	< 4.2 U	0.17 BJ	190 J	0.95 J	14	170
SPA4-B5503	SSHS-SPA4-B5503-ELEV-848-846	8/12/2024	1801782961	2-4 ft	850.21	2	4	780	0.54 J	< 1.0 U	390 J	0.50 J	12	73
SPA4-B5503	SSHS-SPA4-B5503-ELEV-846-844	8/12/2024	1801782961	4-6 ft	850.21	4	6	660	1.9 J	< 1.0 U	660	< 4.0 U	33	71
SPA4-B5503	SSHS-SPA4-B5503-ELEV-844-842	8/12/2024	1801782961	6-8 ft	850.21	6	8	1200	1.6 J	< 1.2 U	710	< 2.4 U	19	100
SPA4-B5504	SSHS-SPA4-B5504-ELEV-838-836	8/12/2024	1801782961	14-16 ft	851.70	14	16	880	< 2.4 U	0.16 BJ	< 600 U	< 2.4 U	12	82
SPA4-B5506	SSHS-SPA4-B5506-ELEV-838-836	8/12/2024	1801782961	14-16 ft	851.97	14	16	980	0.76 J	0.12 BJ	< 550 U	< 2.2 U	14	79
SPA4-B5506	SSHS-SPA4-B5506-ELEV-836-834	8/12/2024	1801782961	16-18 ft	851.97	16	18	630	< 2.4 U	0.12 BJ	< 590 U	< 2.4 U	10	74
SPA4-B5507	SSHS-SPA4-B5507-ELEV-834-832	8/13/2024	1801783741	16-18 ft	850.29	16	18	700	0.75 J	< 1.2 U	< 580 U	< 2.3 U	11	43
SPA4-B5509	SSHS-SPA4-B5509-ELEV-846-844	8/15/2024	1801785321	2-4 ft	847.90	2	4	380 J	0.87 J	< 1.2 U	260 J	< 2.3 U	11	63
SPA4-B5509	SSHS-SPA4-B5509-ELEV-844-842	8/15/2024	1801785321	4-6 ft	847.90	4	6	630	1.5 J	0.28 J	370 J	< 2.2 U	15	150
SPA4-B5509	SSHS-SPA4-DUP-02	8/15/2024	1801785321	4-6 ft	847.90	4	6	660	1.9 J	< 1.1 U	430 J	< 2.3 U	15	160
SPA4-B5509	SSHS-SPA4-B5509-ELEV-842-840	8/15/2024	1801785321	6-8 ft	847.90	6	8	650	1.1 J	< 0.85 U	390 J	< 1.7 U	12	99
SPA4-B5509	SSHS-SPA4-B5509-ELEV-840-838	8/15/2024	1801785321	8-10 ft	847.90	8.000	10	870	1.2 J	< 1.2 U	200 J	< 2.3 U	14	110
SPA4-B5516	SSHS-SPA4-B5516-ELEV-850-848	8/13/2024	1801783741	0-2 ft	849.97	0	2	840	1.4 J	< 0.86 U	< 430 U	0.50 J	16	150
SPA4-B5516	SSHS-SPA4-B5516-ELEV-848-846	8/13/2024	1801783741	2-4 ft	849.97	2	4	530	0.86 J	< 0.86 U	120 J	0.43 J	15	500
SPA4-B5517	SSHS-SPA4-B5517-ELEV-854-852	8/14/2024	1801784391	1-3 ft	854.70	1	3	790	0.99 J	< 1.1 U	350 J	< 2.1 U	13	150
SPA4-B5517	SSHS-SPA4-B5517-ELEV-852-850	8/14/2024	1801784391	3-5 ft	854.70	3	5	710	0.82 J	< 0.96 U	420 J	< 1.9 U	12	87
SPA4-B5517	SSHS-SPA4-DUP-04	8/14/2024	1801784391	3-5 ft	854.70	3	5	600	< 2.1 U	< 1.0 U	300 J	< 2.1 U	12	68
SPA4-B5517	SSHS-SPA4-B5517-ELEV-850-848	8/14/2024	1801784391	5-7 ft	854.70	5	7	700	0.54 J	< 1.1 U	170 J	< 2.1 U	10	66
SPA4-B5517	SSHS-SPA4-B5517-ELEV-840-838	8/14/2024	1801784391	15-17 ft	854.70	15	17	800	0.74 J	< 0.95 U	160 J	< 1.9 U	12	75
SPA4-B5519	SSHS-SPA4-B5519-ELEV-852-850	8/14/2024	1801784391	0-0.7 ft	850.66	0	0.7	500 J	0.81 J	< 1.1 U	< 570 U	< 2.3 U	12	62
SPA4-B5526	SSHS-SPA4-B5526-ELEV-844-842	8/13/2024	1801783741	7-9 ft	850.99	7	9	610	1.7 J	< 1.1 U	270 J	< 2.1 U	16	73
SPA4-B5527	SSHS-SPA4-B5527-ELEV-848-846	8/13/2024	1801783741	5-7 ft	852.73	5	7	800	0.73 J	< 1.1 U	< 570 U	0.48 J	15	110
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	950	< 8.7 U	0.36 BJ	240 J	< 8.7 U	16	66
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	750	0.46 J	< 0.85 U	< 430 U	< 1.7 U	14	82
SPA4-B5527	SSHS-SPA4-B5527-ELEV-844-842	8/13/2024	1801783741	9-11 ft	852.73	9	11	810	0.66 J	< 0.75 U	240 J	0.38 J	14	65
SPA4-B5528	SSHS-SPA4-B5528-ELEV-848-846	8/13/2024	1801783741	5-7 ft	853.34	5	7	740	< 2.1 U	< 1.1 U	180 J	< 2.1 U	15	56
SPA4-B5530	SSHS-SPA4-B5530-SUB-0.17-2	8/13/2024	1801783741	0.17 - 2 ft	849.70	0.17	2	790	1.0 J	< 1.1 U	< 570 U	< 2.3 U	16	120
SPA4-B5531	SSHS-SPA4-B5531-ELEV-852-850	8/15/2024	1801785321	0-1 ft	851.29	0	1	740	0.81 J	< 1.0 U	370 J	< 2.0 U	13	110
SPA4-B5531	SSHS-SPA4-B5531-ELEV-850-848	8/15/2024	1801785321	1-3 ft	851.29	1	3	890	1.5 J	< 1.0 U	480 J	< 2.0 U	12	62
SPA4-B5531	SSHS-SPA4-B5531-ELEV-848-846	8/15/2024	1801785321	3-5 ft	851.29	3	5	830	0.82 J	< 1.0 U	350 J	< 2.1 U	13	66
SPA4-B5531	SSHS-SPA4-B5531-ELEV-846-844	8/15/2024	1801785321	5-7 ft	851.29	5	7	620	0.77 J	< 0.92 U	230 J	< 1.8 U	8.9	47
SPA4-B5531	SSHS-SPA4-B5531-ELEV-844-842	8/15/2024	1801785321	7-9 ft	851.29	7	9	700	0.53 J	< 0.90 U	260 J	< 1.8 U	11	52
SPA6-B537A	SSHS-SPA6-B537A-ELEV-836-834	12/7/2024	1801838841	14-16 ft	850.20	14	16	--	--	--	--	--	--	--
SPA6-B5503A	SSHS-SPA6-B5503A-ELEV-842-840	12/7/2024	1801838841	8.2-10.2 ft	850.22	8.2	10.2	--	--	--	--	--	--	--
SPA6-B5516A	SSHS-SPA6-B5516A-ELEV-846-844	12/7/2024	1801838851	4-6 ft	850.12	4	6	--	--	--	--	--	--	--
SPA6-B5516A	SSHS-SPA6-DUP-01	12/7/2024	1801838851	4-6 ft	850.12	4	6	--	--	--	--	--	--	--
SPA6-B5530A	SSHS-SPA6-B5530A-SUB-2-4	12/7/2024	1801838851	2 - 4 ft	849.57	2	4	--	--	--	--	--	--	--
SPA6-B5550	SSHS-SPA6-B5550-ELEV-844-842	12/7/2024	1801838851	5.2-7.2 ft	849.24	5.2	7.2	--	--	--	--	--	--	--
SPA6-B5551	SSHS-SPA6-B5551-ELEV-850-848	12/7/2024	1801838851	0-1.8 ft	849.77	0	1.8	--	--	--	--	--	--	--
SPA6-B5551	SSHS-SPA6-B5551-ELEV-848-846	12/7/2024	1801838851	1.8-3.8 ft	849.77	1.8	3.8	--	--	--	--	--	--	--
SPA6-B65A	SSHS-SPA6-B65A-ELEV-838-836	12/7/2024	1801838841	12.17 - 14.17 ft	850.17	12.17	14.17	--	--	--	--	--	--	--
SPA6-B65A	SSHS-SPA6-B65A-ELEV-836-834	12/7/2024	1801838842	14.17 - 16.17 ft	850.17	14.17	16.17	--	--	--	--	--	--	--

Notes
mg/kg - milligrams per kilogram
ft bgs - Feet Below Ground Surface
B - Compound detected in method blank
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T - Indicates that a quality control parameter has exceeded laboratory limits
U - non-detect at the value indicated
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may
Analyte concentrations detected above Restricted Residential Soil Cleanup Objectives are presented in light gray
Analyte concentrations detected above Protection of Groundwater Soil Cleanup Objectives are presented in blue font

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Table 2C
Southern Portion of Site Soil Data August/December 2024 – SVOCs
Former Sperry Remington Site - North Portion
Elmira, NY

								Total PAH'S	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	1,1-Biphenyl	Benzaldehyde	Benz(a)anthracene	Benzo(a)pyrene (BaP)	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential									100	100		100				1	1	1	3.9	100			
Protection of Groundwater									98	107		1000				1	22	1.7	1.7	1000			
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth																
SPA4-B3823A	SSHS-SPA4-B3823A-ELEV-830-828	8/15/2024	1801785321	18-20 ft	847.85	18	20	ND	< 0.079 U	< 0.079 U	< 0.79 U	< 0.079 U	< 0.79 U	< 0.39 U	< 0.79 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.079 U
SPA4-B5110A	SSHS-SPA4-B5110A-ELEV-834-832	8/13/2024	1801783741	19-21 ft	853.20	19	21	ND	< 0.09 U	< 0.09 U	< 0.9 U	< 0.09 U	< 0.9 U	< 0.44 U	< 0.9 U	< 0.09 U	< 0.09 U	< 0.09 U	< 0.09 U	< 0.09 U	< 0.44 U	< 0.09 U	< 0.09 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	0.313	< 0.078 U	< 0.078 U	< 0.78 U	< 0.078 U	< 0.78 U	< 0.38 U	< 0.78 U	0.035 J	< 0.078 U	0.033 J	< 0.078 U	0.066 J	< 0.38 U	< 0.078 U	< 0.078 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	0.9	< 0.082 U	< 0.082 U	< 0.82 U	< 0.082 U	< 0.82 U	< 0.41 U	< 0.82 U	0.23	< 0.082 U	< 0.082 U	< 0.082 U	< 0.082 U	< 0.41 U	< 0.082 U	< 0.082 U
SPA4-B5508	SSHS-SPA4-B5508-ELEV-832-830	8/15/2024	1801785321	18-20 ft	850.40	18	20	ND	< 0.079 U	< 0.079 U	< 0.79 U	< 0.079 U	< 0.79 U	< 0.39 U	< 0.79 UT	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.079 U
SPA4-B5508	SSHS-SPA4-DUP-03	8/15/2024	1801785321	18-20 ft	850.40	18	20	ND	< 0.079 U	< 0.079 U	< 0.79 U	< 0.079 U	< 0.79 U	< 0.39 U	< 0.79 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.079 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-838-836	8/13/2024	1801783741	11-13 ft	848.96	11	13	1.19	< 0.08 U	< 0.08 U	< 0.8 U	< 0.08 U	< 0.8 U	< 0.4 U	< 0.8 U	0.049 J	0.043 J	0.04 J	0.026 J	0.037 J	< 0.4 U	< 0.08 U	< 0.08 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-836-834	8/13/2024	1801783741	13-15 ft	848.96	13	15	ND	< 0.084 U	< 0.084 U	< 0.84 U	< 0.084 U	< 0.84 U	< 0.41 U	< 0.84 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.41 U	< 0.084 U	< 0.084 U
SPA4-B5514	SSHS-SPA4-B5514-ELEV-858-856	8/14/2024	1801784391	0-1 ft	857.15	0	1	6.634	0.028 J	0.24	< 0.76 U	0.19	< 0.76 U	< 0.37 U	< 0.76 U	0.59	0.61	0.73	0.26	0.52	< 0.37 U	< 0.076 U	< 0.076 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	0.922 J	< 0.08 U	< 0.08 U	< 0.8 U	0.03 J	< 0.8 U	< 0.39 U	< 0.8 U	0.079 J	0.074 J	0.082	0.044 J	0.083	< 0.39 U	< 0.08 U	< 0.08 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	2.13 J	< 0.072 U	0.044 J	< 0.72 U	0.07 J	< 0.72 U	< 0.36 U	< 0.72 U	0.18	0.15	0.19	0.069 J	0.17	< 0.36 U	< 0.072 U	< 0.072 U

Notes
SVOCs - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
mg/kg - milligrams per kilogram
ND - Non Detect
ft bgs - Feet Below Ground Surface
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T - Indicates that a quality control parameter has exceeded laboratory limits
U - non-detect at the value indicated
Analyte concentrations detected above Restricted Residential Soil Cleanup Objectives are presented in light gray
Analyte concentrations detected above Protection of Groundwater Soil Cleanup Objectives are presented in blue font

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								Bis(2-ethylhexyl) phthalate (DEHP)	4-Bromophenyl phenyl ether	Butylbenzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline (p-Chloroaniline)	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethylphthalate	2,4-Dimethylphenol	Dimethylphthalate
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential																	3.9	0.33	59				
Protection of Groundwater																	1	1000	210				
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth															
SPA4-B3823A	SSHS-SPA4-B3823A-ELEV-830-828	8/15/2024	1801785321	18-20 ft	847.85	18	20	< 3.9 U	< 0.39 U	< 2 U	< 2 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.79 U
SPA4-B5110A	SSHS-SPA4-B5110A-ELEV-834-832	8/13/2024	1801783741	19-21 ft	853.20	19	21	< 4.4 U	< 0.44 U	< 2.2 U	< 2.3 U	< 0.09 UT	< 0.44 U	< 0.44 U	< 0.09 U	< 0.44 U	< 0.09 U	< 0.09 U	< 0.44 U	< 0.09 U	< 0.44 U	< 0.44 U	< 0.9 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 3.8 U	< 0.38 U	< 1.9 U	< 2 U	< 0.078 U	< 0.38 U	< 0.38 U	< 0.078 U	< 0.38 U	0.048 J	< 0.078 U	< 0.38 U	< 0.078 U	< 0.38 U	< 0.38 U	< 0.78 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	< 4.1 U	< 0.41 U	< 2.1 U	< 2.1 U	< 0.082 U	< 0.41 U	< 0.41 U	< 0.082 U	< 0.41 U	0.41	< 0.082 U	< 0.41 U	< 0.082 U	< 0.41 U	< 0.41 U	< 0.82 U
SPA4-B5508	SSHS-SPA4-B5508-ELEV-832-830	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 3.9 U	< 0.39 U	< 2 U	< 2 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.79 U
SPA4-B5508	SSHS-SPA4-DUP-03	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 3.9 U	< 0.39 U	< 2 U	< 2 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.79 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-838-836	8/13/2024	1801783741	11-13 ft	848.96	11	13	< 4 U	< 0.4 U	< 2 U	< 2 U	< 0.08 UT	< 0.4 U	< 0.4 U	< 0.08 U	< 0.4 U	0.071 J	< 0.08 U	< 0.4 U	< 0.08 U	< 0.4 U	< 0.4 U	< 0.8 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-836-834	8/13/2024	1801783741	13-15 ft	848.96	13	15	< 4.1 U	< 0.41 U	< 2.1 U	< 2.1 U	< 0.084 UT	< 0.41 U	< 0.41 U	< 0.084 U	< 0.41 U	< 0.084 U	< 0.084 U	< 0.41 U	< 0.084 U	< 0.41 U	< 0.41 U	< 0.84 U
SPA4-B5514	SSHS-SPA4-B5514-ELEV-858-856	8/14/2024	1801784391	0-1 ft	857.15	0	1	< 3.7 U	< 0.37 U	< 1.9 U	< 1.9 U	0.037 JT	< 0.37 U	< 0.37 U	< 0.076 U	< 0.37 U	0.65	0.14	< 0.37 U	< 0.076 U	< 0.37 U	< 0.37 U	< 0.76 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 3.9 U	< 0.39 U	< 2 U	< 2 U	< 0.08 UT	< 0.39 U	< 0.39 U	< 0.08 U	< 0.39 U	0.084	< 0.08 U	< 0.39 U	< 0.08 U	< 0.39 U	< 0.39 U	< 0.8 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	0.66 J	< 0.36 U	< 1.8 U	< 1.8 U	0.024 JT	< 0.36 U	< 0.36 U	< 0.072 U	< 0.36 U	0.19	< 0.072 U	< 0.36 U	< 0.072 U	< 0.36 U	< 0.36 U	< 0.72 U

Notes
SVOCs - Semivolatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
mg/kg - milligrams per kilogram
ND - Non Detect
ft bgs - Feet Below Ground Surface
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Table 2C
Southern Portion of Site Soil Data August/December 2024 – SVOCs
Former Sperry Remington Site - North Portion
Elmira, NY

								SVOCs														
								Di-n-butyl phthalate	Di-n-octyl phthalate	4,6-Dinitro-2-methylphenol	2,6-Dinitrotoluene	2,4-Dinitrophenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno (1,2,3-cd)pyrene	2-Methylphenol	3,3-Dichlorobenzidine
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential														13	100	100	1.2				0.5	100	
Protection of Groundwater														0.1	1000	386	3.2				8.2	0.33	
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth																
SPA4-B3823A	SSHS-SPA4-B3823A-ELEV-830-828	8/15/2024	1801785321	18-20 ft	847.85	18	20	< 3.9 U	< 0.39 U	< 2 U	< 0.39 U	< 3.9 U	< 0.39 U	< 0.79 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U
SPA4-B5110A	SSHS-SPA4-B5110A-ELEV-834-832	8/13/2024	1801783741	19-21 ft	853.20	19	21	< 4.4 U	< 0.44 U	< 2.3 U	< 0.44 U	< 4.4 U	< 0.44 U	< 0.9 U	< 0.09 U	< 0.09 U	< 0.09 U	< 0.09 U	< 0.44 U	< 0.44 U	< 0.09 U	< 0.44 U	< 0.44 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 3.8 U	< 0.38 U	< 2 U	< 0.38 U	< 3.8 U	< 0.38 U	< 0.78 U	0.024 J	< 0.078 U	< 0.078 U	< 0.078 U	< 0.38 U	< 0.38 U	< 0.078 U	< 0.38 U	< 0.38 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	< 4.1 U	< 0.41 U	< 2.1 U	< 0.41 U	< 4.1 U	< 0.41 U	< 0.82 U	< 0.082 U	< 0.082 U	< 0.082 U	< 0.082 U	< 0.41 U	< 0.41 U	< 0.082 U	< 0.41 U	< 0.41 U
SPA4-B5508	SSHS-SPA4-B5508-ELEV-832-830	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 3.9 U	< 0.39 U	< 2 UT	< 0.39 U	< 3.9 UT	< 0.39 U	< 0.79 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U
SPA4-B5508	SSHS-SPA4-DUP-03	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 3.9 U	< 0.39 U	< 2 U	< 0.39 U	< 3.9 U	< 0.39 U	< 0.79 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-838-836	8/13/2024	1801783741	11-13 ft	848.96	11	13	< 4 U	< 0.4 U	< 2 U	< 0.4 U	< 4 U	< 0.4 U	< 0.8 U	0.083	< 0.08 U	< 0.08 U	< 0.08 U	< 0.4 U	< 0.4 U	0.041 J	< 0.4 U	< 0.4 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-836-834	8/13/2024	1801783741	13-15 ft	848.96	13	15	< 4.1 U	< 0.41 U	< 2.1 U	< 0.41 U	< 4.1 U	< 0.41 U	< 0.84 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.41 U	< 0.41 U	< 0.084 U	< 0.41 U	< 0.41 U
SPA4-B5514	SSHS-SPA4-B5514-ELEV-858-856	8/14/2024	1801784391	0-1 ft	857.15	0	1	< 3.7 U	< 0.37 U	< 1.9 U	< 0.37 U	< 3.7 U	< 0.37 U	< 0.76 U	0.91	0.044 J	< 0.076 U	< 0.076 U	< 0.37 U	< 0.37 U	0.41	< 0.37 U	< 0.37 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 3.9 U	< 0.39 U	< 2 U	< 0.39 U	< 3.9 U	< 0.39 U	< 0.8 U	0.15	< 0.08 U	< 0.08 U	< 0.08 U	< 0.39 U	< 0.39 U	0.059 J	< 0.39 U	< 0.39 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 3.6 U	< 0.36 U	< 1.8 U	< 0.36 U	< 3.6 U	< 0.36 U	< 0.72 U	0.38	0.029 J	< 0.072 U	< 0.072 U	< 0.36 U	< 0.36 U	0.13	< 0.36 U	< 0.36 U

Notes
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Table 2C
Southern Portion of Site Soil Data August/December 2024 – SVOCs
Former Sperry Remington Site - North Portion
Elmira, NY

								4-Chlorophenyl phenyl ether	Isophorone	2-Methylnaphthalene	4-methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential											100	100								6.7	100	100	100
Protection of Groundwater											0.33	12								0.8	1000	0.33	1000
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth																
SPA4-B3823A	SSHS-SPA4-B3823A-ELEV-830-828	8/15/2024	1801785321	18-20 ft	847.85	18	20	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.079 U	< 2 U	< 2 U	< 2 U	< 0.79 U	< 0.39 U	< 2 U	< 0.079 U	< 2 U	< 0.079 U	< 0.39 U	< 0.079 U
SPA4-B5110A	SSHS-SPA4-B5110A-ELEV-834-832	8/13/2024	1801783741	19-21 ft	853.20	19	21	< 0.44 U	< 0.44 U	< 0.09 U	< 0.44 U	< 0.09 U	< 2.3 U	< 2.3 U	< 2.3 U	< 0.9 U	< 0.44 U	< 2.3 U	< 0.09 U	< 2.3 U	< 0.09 U	< 0.44 U	< 0.09 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 0.38 U	< 0.38 U	0.045 J	< 0.38 U	0.03 J	< 2 U	< 2 U	< 2 U	< 0.78 U	< 0.38 U	< 2 U	< 0.078 U	< 2 U	0.034 J	< 0.38 U	0.041 J
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	< 0.41 U	< 0.41 U	< 0.082 U	< 0.41 U	< 0.082 U	< 2.1 U	< 2.1 U	< 2.1 U	< 0.82 U	< 0.41 U	< 2.1 U	< 0.082 U	< 2.1 U	< 0.082 U	< 0.41 U	0.26
SPA4-B5508	SSHS-SPA4-B5508-ELEV-832-830	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.079 U	< 2 U	< 2 U	< 2 U	< 0.79 U	< 0.39 U	< 2 U	< 0.079 U	< 2 U	< 0.079 U	< 0.39 U	< 0.079 U
SPA4-B5508	SSHS-SPA4-DUP-03	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.079 U	< 2 U	< 2 U	< 2 U	< 0.79 U	< 0.39 U	< 2 U	< 0.079 U	< 2 U	< 0.079 U	< 0.39 U	< 0.079 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-838-836	8/13/2024	1801783741	11-13 ft	848.96	11	13	< 0.4 U	< 0.4 U	0.59	< 0.4 U	0.42	< 2 U	< 2 U	< 2 U	< 0.8 U	< 0.4 U	< 2 U	< 0.08 U	< 2 U	0.26	< 0.4 U	0.084
SPA4-B5511	SSHS-SPA4-B5511-ELEV-836-834	8/13/2024	1801783741	13-15 ft	848.96	13	15	< 0.41 U	< 0.41 U	< 0.084 U	< 0.41 U	< 0.084 U	< 2.1 U	< 2.1 U	< 2.1 U	< 0.84 U	< 0.41 U	< 2.1 U	< 0.084 U	< 2.1 U	< 0.084 U	< 0.41 U	< 0.084 U
SPA4-B5514	SSHS-SPA4-B5514-ELEV-858-856	8/14/2024	1801784391	0-1 ft	857.15	0	1	< 0.37 U	< 0.37 U	0.037 J	< 0.37 U	0.052 J	< 1.9 U	< 1.9 U	< 1.9 U	< 0.76 U	< 0.37 U	< 1.9 U	< 0.076 U	< 1.9 U	0.45	< 0.37 U	1
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.39 U	< 0.39 U	< 0.08 U	< 0.39 U	0.032 J	< 2 U	< 2 U	< 2 U	< 0.8 U	< 0.39 U	< 2 U	< 0.08 U	< 2 U	0.065 J	< 0.39 U	0.14
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.36 U	< 0.36 U	0.025 J	< 0.36 U	0.072	< 1.8 U	< 1.8 U	< 1.8 U	< 0.72 U	< 0.36 U	< 1.8 U	< 0.072 U	< 1.8 U	0.13	< 0.36 U	0.37

Notes
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Table 2C
Southern Portion of Site Soil Data August/December 2024 – SVOCs
Former Sperry Remington Site - North Portion
Elmira, NY

								1,2,4,5-Tetrachlorobenzene	**2,3,4,6-Tetrachlorophenol**	**2,4,5-Trichlorophenol**	**2,4,6-Trichlorophenol**	**N-Nitrosodiphenylamine**
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential												
Protection of Groundwater												
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth					
SPA4-B3823A	SSHS-SPA4-B3823A-ELEV-830-828	8/15/2024	1801785321	18-20 ft	847.85	18	20	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SPA4-B5110A	SSHS-SPA4-B5110A-ELEV-834-832	8/13/2024	1801783741	19-21 ft	853.20	19	21	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U	< 0.44 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U
SPA4-B5508	SSHS-SPA4-B5508-ELEV-832-830	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SPA4-B5508	SSHS-SPA4-DUP-03	8/15/2024	1801785321	18-20 ft	850.40	18	20	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-838-836	8/13/2024	1801783741	11-13 ft	848.96	11	13	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
SPA4-B5511	SSHS-SPA4-B5511-ELEV-836-834	8/13/2024	1801783741	13-15 ft	848.96	13	15	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U
SPA4-B5514	SSHS-SPA4-B5514-ELEV-858-856	8/14/2024	1801784391	0-1 ft	857.15	0	1	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U

Notes
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Table 2D
Southern Portion of Site Soil Data August/December 2024 – VOCs
Former Sperry Remington Site - North Portion
Elmira, NY

								Acetone	**Benzene**	**Bromochloromethane**	**Bromodichloromethane**	**Bromoform**	**Bromomethane**	**Carbon disulfide**	**Carbon Tetrachloride**	**Chlorobenzene**	**Chlorodibromomethane**	**Chloroethane**	**Chloroform**	**Chloromethane**	**Cyclohexane**	**1,2-Dibromo-3-Chloropropane**	**Dichloromethane**
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential								100	4.8						2.4	100			49				100
Protection of Groundwater								0.05	0.06						0.76	1.1			0.37				0.05
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth																
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 0.028 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 UT	< 0.0055 U	< 0.0055 U	< 0.0055 UT	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	0.03	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 UT	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 UT	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	0.016 J	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	0.019 J	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U

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Table 2D
Southern Portion of Site Soil Data August/December 2024 – VOCs
Former Sperry Remington Site - North Portion
Elmira, NY

								VOCs																
								1,2-Dibromoethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,4-Dioxane	Ethylbenzene
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential										100	49	13	26	3.1	100		100	100				13	41
Protection of Groundwater										1.1	2.4	1.8	0.27	0.02	0.33		0.25	0.19				0.1	1
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth																
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 0.0055 U	< 0.0055 UT	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.011 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 1.1 U	< 0.0055 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.012 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 1.2 UT	< 0.0058 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.011 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 1.1 U	< 0.0055 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.01 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 1 U	< 0.0050 U

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Table 2D
Southern Portion of Site Soil Data August/December 2024 – VOCs
Former Sperry Remington Site - North Portion
Elmira, NY

								Freon 113	2-Hexanone (MBK)	Isopropylbenzene	Methyl Acetate	Methylcyclohexane	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Methyl-tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential													100		100			19	100			100	
Protection of Groundwater													0.12		0.93			1.3	0.7			0.68	
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth																
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 0.0055 U	< 0.028 U	< 0.0055 U	< 0.028 U	< 0.0055 U	< 0.028 U	< 0.028 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.011 U	< 0.0055 U	< 0.0055 UT	< 0.0055 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	< 0.0058 U	< 0.029 U	< 0.0058 U	< 0.029 U	< 0.0058 U	< 0.029 U	< 0.029 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.012 U	< 0.0058 U	< 0.0058 U	< 0.0058 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.0055 U	< 0.028 U	< 0.0055 U	< 0.028 U	< 0.0055 U	< 0.028 U	< 0.028 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.011 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.0050 U	< 0.025 U	< 0.0050 U	< 0.025 U	< 0.0050 U	< 0.025 U	< 0.025 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.01 U	< 0.0050 U	< 0.0050 U	< 0.0050 U

Notes
VOCs - Volatile Organic Compounds
mg/kg - milligrams per kilogram
ft bgs - Feet Below Ground Surface
B - Compound detected in method blank
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T - Indicates that a quality control parameter has exceeded laboratory limits
U - non-detect at the value indicated
Analyte concentrations detected above Restricted Residential Soil Cleanup Objectives are presented in light gray
Analyte concentrations detected above Protection of Groundwater Soil Cleanup Objectives are presented in blue font

DRAFT

Table 2D
Southern Portion of Site Soil Data August/December 2024 – VOCs
Former Sperry Remington Site - North Portion
Elmira, NY

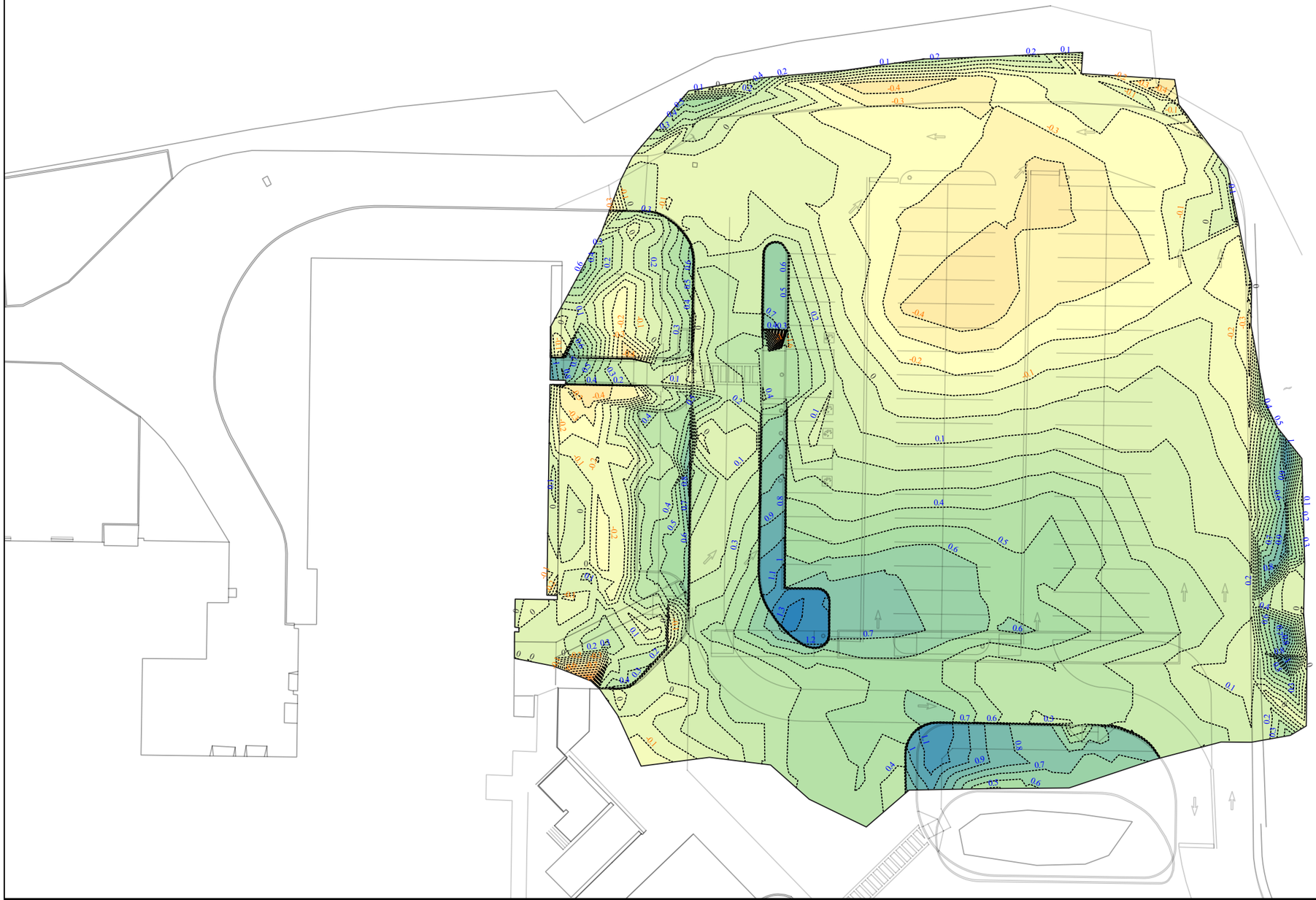
								Trichloroethene	**Trichlorofluoromethane**	**Vinyl chloride**	**Xylene (m)**	**Xylene (o)**	**Xylenes (Total)**
								mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Restricted - Residential								21		0.9			100
Protection of Groundwater								0.47		0.02			1.6
Location	Sample Name	Sample Date	Lab Report	Sample Depth (ft bgs)	Surface Elevation (ft asml)	Start Depth	End Depth						
SPA4-B5502	SSHS-SPA4-B5502-ELEV-844-842	8/12/2024	1801782961	7-9 ft	850.65	7	9	< 0.0055 U	< 0.0055 U	< 0.0055 UT	< 0.0055 U	< 0.0055 U	< 0.011 U
SPA4-B5502	SSHS-SPA4-B5502-ELEV-840-838	8/12/2024	1801782961	11-13 ft	850.65	11	13	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.012 U
SPA4-B5527	SSHS-SPA4-B5527-ELEV-846-844	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.011 U
SPA4-B5527	SSHS-SPA4-DUP-05	8/13/2024	1801783741	7-9 ft	852.73	7	9	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.01 U

Notes
VOCs - Volatile Organic Compounds
mg/kg - milligrams per kilogram
ft bgs - Feet Below Ground Surface
B - Compound detected in method blank
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T - Indicates that a quality control parameter has exceeded laboratory limits
U - non-detect at the value indicated
Analyte concentrations detected above Restricted Residential Soil Cleanup Objectives are presented in light gray
Analyte concentrations detected above Protection of Groundwater Soil Cleanup Objectives are presented in blue font

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Attachment A



Legend

Base Map Features

Restoration Grade after IRM #2 minus Pre-existing Grade Contours

Restoration Grade after IRM #2 minus Pre-existing Grade (Positive = Fill)

- -1.9 - -1.8 ft
- -1.8 - -1.7 ft
- -1.7 - -1.6 ft
- -1.6 - -1.5 ft
- -1.5 - -1.4 ft
- -1.4 - -1.3 ft
- -1.3 - -1.2 ft
- -1.2 - -1.1 ft
- -1.1 - -1 ft
- -1 - -0.9 ft
- -0.9 - -0.8 ft
- -0.8 - -0.7 ft
- -0.7 - -0.6 ft
- -0.6 - -0.5 ft
- -0.5 - -0.4 ft
- -0.4 - -0.3 ft
- -0.3 - -0.2 ft
- -0.2 - -0.1 ft
- -0.1 - 0 ft
- 0 - 0.1 ft
- 0.1 - 0.2 ft
- 0.2 - 0.3 ft
- 0.3 - 0.4 ft
- 0.4 - 0.5 ft
- 0.5 - 0.6 ft
- 0.6 - 0.7 ft
- 0.7 - 0.8 ft
- 0.8 - 0.9 ft
- 0.9 - 1 ft
- 1 - 1.1 ft
- 1.1 - 1.2 ft
- 1.2 - 1.3 ft
- 1.3 - 1.4 ft

Notes:

1) Restoration Grade after IRM #2 surveyed by HUNT EAS on 22 September 2023
2) Pre-existing Grade surveyed by HUNT EAS September 2016

0 25 50 ft

Southern Portion – Pre and Post IRM #2 Elevation Comparison

Former Sperry Remington
Elmira, NY

B&B Engineers & Geologists of new york, p.c.

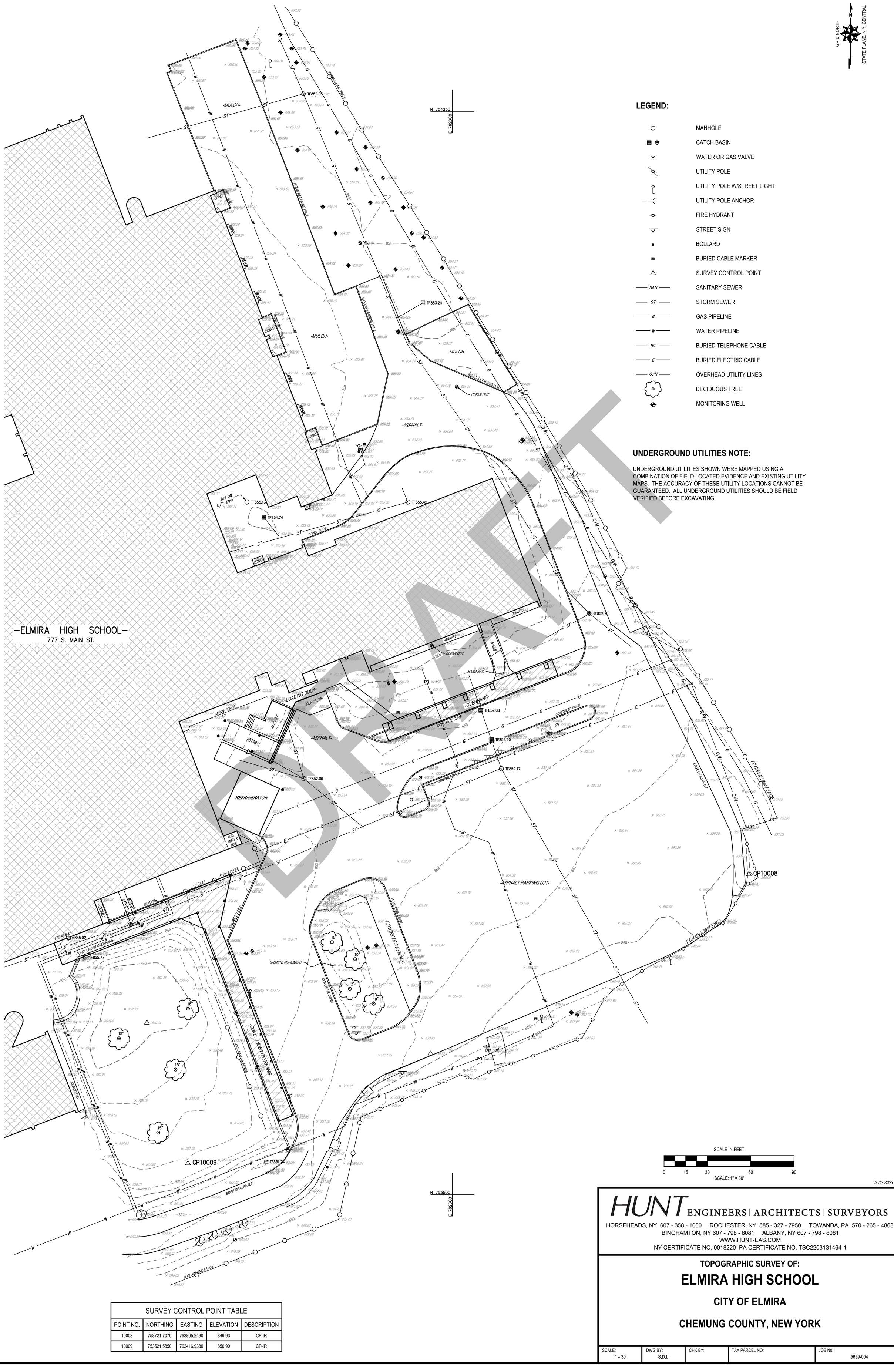
an affiliate of Geosyntec Consultants

Columbia, Maryland | May 28, 2024

Figure 1

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Attachment B



LEGEND:

- MANHOLE
- CATCH BASIN
- WATER OR GAS VALVE
- UTILITY POLE
- UTILITY POLE W/STREET LIGHT
- UTILITY POLE ANCHOR
- FIRE HYDRANT
- STREET SIGN
- BOLLARD
- BURIED CABLE MARKER
- SURVEY CONTROL POINT
- SAN — SANITARY SEWER
- ST — STORM SEWER
- G — GAS PIPELINE
- W — WATER PIPELINE
- TEL — BURIED TELEPHONE CABLE
- E — BURIED ELECTRIC CABLE
- O/H — OVERHEAD UTILITY LINES
- DECIDUOUS TREE
- MONITORING WELL

UNDERGROUND UTILITIES NOTE:

UNDERGROUND UTILITIES SHOWN WERE MAPPED USING A COMBINATION OF FIELD LOCATED EVIDENCE AND EXISTING UTILITY MAPS. THE ACCURACY OF THESE UTILITY LOCATIONS CANNOT BE GUARANTEED. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BEFORE EXCAVATING.

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SCALE IN FEET

0 15 30 60 90

SCALE: 1" = 30'

9-22-2023

SURVEY CONTROL POINT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
10008	753721.7070	762805.2460	849.93	CP-IR
10009	753521.5850	762416.9380	856.90	CP-IR

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950 TOWANDA, PA 570 - 265 - 4868
BINGHAMTON, NY 607 - 798 - 8081 ALBANY, NY 607 - 798 - 8081
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TOPOGRAPHIC SURVEY OF:

ELMIRA HIGH SCHOOL

CITY OF ELMIRA

CHEMUNG COUNTY, NEW YORK

SCALE:	DWG.BY:	CHK.BY:	TAX PARCEL NO:	JOB N0:
1" = 30'	S.D.L.			5659-004

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Attachment C

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BORING B65A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753701.86 ft **EASTING** 762742.08 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES Depth to Water: ~13-14 ft bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850					
2	848					
4	846					
6	844					
8	842					
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 3/11/25 12:35 - O:\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP14.GPJ

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BORING B65A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10	840					
12	838	54	B65A-ELEV-838-836		Concrete fragments. Sandy silt, light brown, subangular, wet.	1.8
14	836	54	B65A-ELEV-836-834		Sandy silt, light brown, subangular, wet.	0.5
16	834	100			Sandy silt, light brown, black pea gravel, subangular, wet.	

Bottom of borehole at 17.0 feet.

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BORING B537A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753686.2699 ft **EASTING** 762714.8556 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850					
2	848					
4	846					
6	844					
8	842					
10						

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BORING B537A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10	840					
12	838					
14	836	92	B537A-ELEV-836-834		Sandy silt, light brown, wet, subangular.	0.8
16	834	0			No recovery on first attempt, <50% recovery on second attempt, and no recovery on the third attempt. No sample collected.	
18	832				Bottom of borehole at 18.2 feet.	

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BORING B3823A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/24 **COMPLETED** 8/15/24
NORTHING 753576.996 ft **EASTING** 762587.015 ft
DRILLER Parratt Wolff
GROUND ELEVATION 848.1 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	848					
2	846					
4	844					
6	842					
8	840					
10						

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BORING B3823A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10	838					
12	836					
14	834					
16	832					
18	830	96	B3823A-ELEV-830-828		Medium to coarse sand with gravel (river deposits), brown, trace rounded cobble, saturated.	0.1
20					Bottom of borehole at 20.0 feet.	

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BORING B3849A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753502.052 ft **EASTING** 762256.003 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.9 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	854					
2						
	852					
4						
	850					
6						
	848					
8						
	846					
10						

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BORING B-3849A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	844					
12						
	842					
14						
	840					
16						
	838					
18		67	B3849A-ELEV-838-836		Medium to coarse sand with gravel (river deposits), brown, saturated.	1
	836					

Bottom of borehole at 19.0 feet.

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BORING B5083A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/24 **COMPLETED** 8/15/24
NORTHING 762474.08 ft **EASTING** 753517.84 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.3 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY**
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852					
2	850					
4	848					
6	846					
8	844					
10						

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(Continued Next Page)

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BORING B5083A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	842					
					Medium to coarse sand with concrete and asphalt, gray with some brown, trace silt, moist.	
12		58	B5083A-ELEV-842-840			0.1
	840					
					Bottom of borehole at 13.0 feet.	

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BORING B5103A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/24 **COMPLETED** 8/15/24
NORTHING 753828.047 ft **EASTING** 762523.01 ft
DRILLER Parratt Wolff
GROUND ELEVATION 853.3 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES Refusal encountered twice at 10 ft bgs. Sample not collected. No utilities were found when using air knife to 6.5 ft bgs.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	852					
2						
	850					
4						
	848					
6						
	846					
8						
	844					
10						

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BORING B5103A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	842				Refusal encountered twice at 10 ft bgs. No sample collected. No utilities found when using air knife to 6.5 ft bgs.	
12						
					Bottom of borehole at 13.0 feet.	

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BORING B5110A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753695.005 ft **EASTING** 762512.982 ft
DRILLER Parratt Wolff
GROUND ELEVATION 853.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	852					
2						
	850					
4						
	848					
6						
	846					
8						
	844					
10						

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BORING B5110A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	842					
12						
	840					
14						
	838					
16						
	836					
18						
	834				No recovery. Fine to medium sand with gravel (river deposits), brown, some rounded cobbles, loose, saturated, no odor.	
20		58	B5110A-ELEV-834-832			0.1

Bottom of borehole at 21.0 feet.

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BORING B5500

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753801.999 ft **EASTING** 762755.011 ft
DRILLER Parratt Wolff
GROUND ELEVATION 851 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850					
2		100	B5500-ELEV-838-836		Gravelly silt, brown to gray-brown and black, some coal and brick fragments, loose, moist, no odor.	0
	848				Bottom of borehole at 3.0 feet.	

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BORING B5501

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/24 **COMPLETED** 8/15/24
NORTHING 753713.988 ft **EASTING** 762802.868 ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.9 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	848					
4	846					
6	844					
8	842					
10	840					

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(Continued Next Page)

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BORING B5501

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12	838					
14	836					
16	834					
18	832	92	B5501-ELEV-832-830		Medium to coarse sand with gravel, brown, some silt, saturated.	0.3
20	830				Bottom of borehole at 20.0 feet.	

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BORING B5502

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753751.01 ft **EASTING** 762745.987 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.7 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES DUP-01 collected from 5-7 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850					
2	848					
4		100	B5502-ELEV-848-846		Silt with gravel, gray-brown, orange, and black, some fine sand, trace clay, loose, moist. Very fine sand with crushed gravel, gray, dry. Black coal fragments from 3.6-4 ft. Silt with gravel, gray-brown, orange, and black, some fine sand, trace clay, loose, moist.	0.3
	846				Silty clay, gray-brown to green, some gravel and trace coal fragments, loose, moist.	
6		90	B5502-ELEV-846-844		Fine sand, orange-yellow and brown, some silt and gravel, trace coal fragments, loose, moist.	3.4
	844				Silt and fine sand, brown-orange, some gravel and coal fragments, loose, moist. Fat Clay, dark brown to black, some gravel and coal fragments, saturated.	
8		92	B5502-ELEV-844-842		Fine sand with silt, yellow, loose, moist.	10.1
	842					
10						

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BORING B5502

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	840					
					Fine sand with silt, orange-green, trace coal fragments, loose, saturated.	
					Fine sand with some silt, green-black, loose, saturated. black product staining on core.	
12		75	B5502-ELEV-840-838			30.4
	838					
					Fine to medium sand, dark green-black, some rounded gravel and cobbles, loose, saturated. Black porduct staining on core.	
14		67	B5502-ELEV-838-836			2.1
	836					
					Bottom of borehole at 15.0 feet.	

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BORING B5503

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753719 ft **EASTING** 762765.988 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES MS/MSD-02 collected from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850				Silty sand and clay, yellow-brown, some gravel, loose, moist.	
2	848	98	B5503-ELEV-848-846		Fine sand with some silt and gravel, yellow-brown, trace clay, loose, moist.	0.3
4	846	90	B5503-ELEV-846-844		Silt, brown to green-brown, loose, moist. Some coal fragm	0.2
6	844	100	B5503-ELEV-844-842			0.4
8					Bottom of borehole at 8.0 feet.	

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BORING B5503A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753719.337 ft **EASTING** 762766.343 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850					
2	848					
4	846					
6	844					
8	842	54	B5503A-ELEV-842-840		Silt with some sand, light to dark brown, subangular.	0.1
10						

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BORING B5503A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10	840	54	B5503A-ELEV-840-838		Silt with some sand and clay, light to dark brown, subangular, low permeability.	0.2
12	838	100			Silt with some sand and clay, light to dark brown, subangular, low permeability. Silty clay, dark brown to grey, some sand, subangular, low permeability, wet. 12.2 - 13.2 ft bgs not sampled as per sampling plan. Bottom of borehole at 13.2 feet.	

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BORING B5504

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753783.981 ft **EASTING** 762679.986 ft
DRILLER Parratt Wolff
GROUND ELEVATION 851.6 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	850					
2						
	848					
4						
	846					
6						
	844					
8						
	842					
10						

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BORING B5504

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	840					
12						
	838					
14					No recovery.	
		50	B5504-ELEV-838-836		Sand, fine to medium, brown, some silt and gravel, loose, saturated.	0.1
	836					
16					Bottom of borehole at 16.0 feet.	

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BORING B5505

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753663.984 ft **EASTING** 762718.027 ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.5 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	848					
2						
	846					
4						
	844					
6						
	842					
8						
	840					
10						

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BORING B5505

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	838					
12						
	836					
14						
	834					
16		54	B5505-ELEV-834-832		No recovery. Medium to coarse sand with gravel, brown to yellow-brown, trace cobble, loose, saturated, no odor.	0.8
	832					
18					Bottom of borehole at 18.0 feet.	

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BORING B5506

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753755.995 ft **EASTING** 762613.972 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt with conrete.	
		88			Gravelly silt, green-gray and brown, trace clay and asphalt, loose, moist.	
2	850					
4	848					
6	846					
8	844					
10						

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BORING B5506

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12	840					
14	838				No recovery. Fat clay, green-brown, trace silt and gravel, saturated.	
		58	B5506-ELEV-838-836		Gravelly sand, brown, trace silt and cobble, loose, saturated.	0.8
16	836				Gravelly sand, brown, trace clay and cobble, loose, saturated.	
		75	B5506-ELEV-836-834			0.5
18	834				Bottom of borehole at 18.0 feet.	

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BORING B5507

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753656.972 ft **EASTING** 762674.017 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	848					
4	846					
6	844					
8	842					
10						

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BORING B5507

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12	838					
14	836					
16	834	33	B5507-ELEV-834-832		Medium to coarse gravelly sand, yellow-brown, trace cobble, loose, saturated. Only one out of two jars needed for metals analysis was collected due to poor recovery and significant gravel.	0.2
18	832				Bottom of borehole at 18.0 feet.	

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BORING B5508

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/24 **COMPLETED** 8/15/24
NORTHING 753593.001 ft **EASTING** 762581.986 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.4 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES MS/MSD-03 and DUP-03 collected from 18-20 ft.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850					
2	848					
4	846					
6	844					
8	842					
10						

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BORING B5508

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	840					
12						
	838					
14						
	836					
16						
	834					
18					Medium to coarse sand, dark brown, saturated.	
	832					
		92	B5508-ELEV-832-830			0.3
20						

Bottom of borehole at 20.0 feet.

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BORING B5509

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/24 **COMPLETED** 8/15/24
NORTHING 753567.01 ft **EASTING** 762567.038 ft
DRILLER Parratt Wolff
GROUND ELEVATION 848.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES DUP-02 collected from 4-6

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	848					
2	846	92	B5509-ELEV-846-844		Coarse sand with silt, black with some gray-brown, some clay, brick and coal fragments, trace plant roots, stiff, saturated, product staining on core, product odor.	0.9
4	844	92	B5509-ELEV-844-842		Silty sand with weathered sandstone, black with some green-gray, some gravel, trace brick and coal fragments, loose, saturated, slight odor.	1
6	842	100	B5509-ELEV-842-840		Silty sand, black to green-gray and brown, some red-brown sandstone fragments, some coal and gravel, trace brick and concrete fragments,saturated, slight odor.	0.8
8	840	97	B5509-ELEV-840-838		Medium to coarse sand with fine to medium grained sandstone, gray-green with some black, loose, saturated, product staining from 8.16-8.45 ft.	
10						

Bottom of borehole at 10.0 feet.

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BORING B5509A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753569.726 ft **EASTING** 762566.416 ft
DRILLER Parratt Wolff
GROUND ELEVATION 848.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	848					
		100	B5509A-ELEV-848-846		Silty clay, light brown, organics, low permeability.	
					Silt with some clay, dark brown to black, low permeability, subrounded.	0
2	846				Silt with some clay and sand, dark grey to black, low permeability, subrounded.	
4	844					
6	842				Silt with some clay and sand, dark grey to black, low permeability, subrounded.	
		100	B5509A-ELEV-842-840		Silty sand, dark grey to black, coal ash.	0
8	840				Silty sand, dark grey to dark brown, minimal clay, low permeability, subangular.	
		100	B5509A-ELEV-840-838		Silty sand, dark grey to dark brown, minimal clay, low permeability, subangular.	0.1
10						

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BORING B5509A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10	838				Fragmented concrete.	
					Bottom of borehole at 10.2 feet.	

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BORING B5510

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753514.997 ft **EASTING** 762467.99 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852	90	B5510-ELEV-852-850		Clay, brown, some silt and fine sand, plant roots, loose, moist.	0.2
					Silt with medium sand, gray-brown with some yellow, some gravel and coal fragments, trace brick, stiff, moist.	
2					Bottom of borehole at 2.0 feet.	

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BORING B5511

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753474.026 ft **EASTING** 762487.957 ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES Refusal at 4 ft. Refusal 3 times with 1 ft step off in each direction. Final step off 4 ft east of boring.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	848					
2						
	846					
4						
	844					
6						
	842					
8						
	840					
10						

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BORING B5511

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	838				No recovery.	
12		50	B5511-ELEV-838-836		Medium to coarse gravelly sand, brown with black, trace silt, saturated.	0.1
	836				Medium to coarse gravelly sand, dark brown to brown with some black, trace cobble and coal fragments, saturated.	
14		92	B5511-ELEV-836-834			0

Bottom of borehole at 15.0 feet.

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BORING B5512

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753486.996 ft **EASTING** 762443.012 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.8 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES Step off ~2ft east due to proximity to utility line.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852					
2	850	75	B5512-ELEV-852-850		Sand with silt and gravel, gray-brown, some clay, trace coal fragments and cobbles, loose, moist.	0.6

Bottom of borehole at 3.0 feet.

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BORING B5512A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753488.409 ft **EASTING** 762447.831 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.8 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852					
2	850	100	B5512A-ELEV-850-848		Sandy silt, light brown.	
					Fragmented rock/concrete.	
4					Sandy silt, light to dark brown, subangular.	0
					Sandy silt, black, some coal ash.	
	848				Sandy silt, light brown, subangular.	
6		100	B5512A-ELEV-848-846		Sandy silt, red, orange, brown, and grey, subangular.	0.2
	846				Silty sand, fragmented brick, subangular.	
					Fragmented concrete, some silt.	
8		100	B5512A-ELEV-846-844		Sandy silt, light brown, subangular.	2.5
					Sandy silt, light grey to black, subangular.	
	844				Silt, dark grey to black, fragmented shale.	
		100			8.8 - 9.8 ft bgs not sampled as per sampling plan.	

Bottom of borehole at 9.8 feet.

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BORING B5514

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753525.992 ft **EASTING** 762399.968 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	B5514-ELEV-858-856		Clay with silt, brown, some grave, trace sand, plant roots, loose, moist.	0.2
					Bottom of borehole at 1.0 feet.	

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BORING B5515

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753489.006 ft **EASTING** 762395.022 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.8 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852					
2	850	67	B5515-ELEV-852-850		Medium sand with silt, brown and black, some gravel, trace cobbles, loose, saturated, product staining at 2.16-3 ft, slight odor.	0

Bottom of borehole at 3.0 feet.

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BORING B5516

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753443.01 ft **EASTING** 762392.999 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	B5516-ELEV-850-848		Clay, brown, some silt and plant roots, loose, moist.	0.2
2	848	92	B5516-ELEV-848-846		Silt with medium sand, brown and black, some gravel and coal fragments, trace brick, moist.	0.8
4	846				Silt with medium sand, brown with gray and black, some gravel, brick, and coal fragments, loose, moist.	

Bottom of borehole at 4.0 feet.

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BORING B5516A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753443.32 ft **EASTING** 762393.4 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES DUP-01 collected from 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	848					
4	846	77	B5516A-ELEV-846-844		Sandy silt, dark brown and grey, subangular.	0
6	844	77	B5516A-ELEV-844-842		Sandy silt, light brown, subangular.	0
8	842	100	B5516A-ELEV-842-840		Sandy silt, light to dark brown, subangular. Sandy silt, light brown, some fragmented rock, subangular.	0
10					Bottom of borehole at 10.0 feet.	

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BORING B5517

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753517.991 ft **EASTING** 762288.014 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.7 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES DUP-04 collected from 3-5 ft. MS/MSD-01 collected from 5-7 ft.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854					
2	852	92	B5517-ELEV-854-852		Silt with clay, dark brown to brown, some sand and f=gravel, trace brick and coal fragments, loose, moist.	1.7
4	850	75	B5517-ELEV-852-850		Gravelly silt, dark brown to brown, some medium sand, trace clay and cobbles, trace coal fragments.	4.5
6	848	92	B5517-ELEV-850-848		Silt, dark brown to brown, some sand and gravel, loose, moist. Fine to medium sand with silt, brown, some gravel and brick fragments, loose, saturated.	4.6
8	846	71	B5517-ELEV-848-846		Fine to medium sand, brown, some silt and gravel, trace rounded cobbles and brick fragments, loose, saturated, product staining at 8.58 ft.	4.1
10						

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BORING B5517

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
	844					
12						
	842					
14						
	840					
16		42	B5517-ELEV-840-838		Fine to medium grained sandstone, gray-green, some medium sand, trace shale and silt, saturated, weathered.	0.9
	838					

Bottom of borehole at 17.0 feet.

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BORING B5518

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832I
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753512.996 ft **EASTING** 762237.933 ft
DRILLER N/A
GROUND ELEVATION 854.473 ft **BORING DIAMETER** 2 in
DRILLING METHOD N/A
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Grab Sample - Plastic Scoop
UTILITY CONTRACTOR GPRS
RIG TYPE N/A
LOGGED BY Syed Gardazi **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	B5518-SUB-0-0.17		Silty clay, brown to dark brown, some gravel and sand, organics, loose, moist. Bottom of borehole at 0.2 feet.	0

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BORING B5519

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753461.01 ft **EASTING** 762075.999 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.7 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850	100	B5519-ELEV-852-850		Clay, brown, some sand and gravel, trace concrete fragments, plant roots, loose, moist.	0.4
					Bottom of borehole at 1.0 feet.	

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BORING B5522

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832I
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753471.974 ft **EASTING** 762254.975 ft
DRILLER N/A
GROUND ELEVATION 854.619 ft **BORING DIAMETER** 2 in
DRILLING METHOD N/A
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Grab Sample - Plastic Scoop
UTILITY CONTRACTOR GPRS
RIG TYPE N/A
LOGGED BY Syed Gardazi **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	–	100	B5522-SUB-0-0.17		Silty clay, brown to dark brown, some gravel and sand, organics, loose, moist. Bottom of borehole at 0.2 feet.	0

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BORING B5523

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832I
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753463.08 ft **EASTING** 762228.955 ft
DRILLER N/A
GROUND ELEVATION 855.212 ft **BORING DIAMETER** 2 in
DRILLING METHOD N/A
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Grab Sample - Plastic Scoop
UTILITY CONTRACTOR GPRS
RIG TYPE N/A
LOGGED BY Syed Gardazi **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	B5523-SUB-0-0.17		Silty clay, brown to dark brown, some gravel and sand, organics, loose, moist. Bottom of borehole at 0.2 feet.	0

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BORING B5524

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753520.022 ft **EASTING** 762273.973 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.9 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854	79	B5524-0.17-2		Clay with silt, brown, some gravel and fine sand, trace concrete fragments, coal fragments at 1.2 ft bgs, loose, moist.	1.2
2					Bottom of borehole at 2.0 feet.	

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BORING B5524A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753519.925 ft **EASTING** 762273.812 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.9 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854					
2	852	75	B5524A-SUB-2-4		Silty sand, light to dark brown. Silt with some clay, dark brown moderate permeability, subangular.	0.8
4	850	75	B5524A-SUB-4-6		Silt with some clay, dark brown moderate permeability, subangular. Sandy silt, dark brown, some clay, low permeability, subangular.	0.5
6					Bottom of borehole at 6.0 feet.	

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BORING B5525

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753461.019 ft **EASTING** 762291.995 ft
DRILLER N/A
GROUND ELEVATION 852.7 ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE N/A
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852	100	B5525-SUB-0.17-2		Clay with silt and gravel, brown to dark brown, some cobbles, trace brick and cole fragments, plant roots, loose, moist.	0
2					Bottom of borehole at 2.0 feet.	

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BORING B5526

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753650.997 ft **EASTING** 762578.997 ft
DRILLER Parratt Wolff
GROUND ELEVATION 851.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	850					
2						
	848					
4						
	846					
6						
	844				No recovery.	
8		75	B5526-ELEV-844-842		Silt, green-brown, some clay and gravel, trace coal fragments, stiff, moist.	1.3
					Coal.	
					Concrete, gray.	
					Silt with coal, black to brown, some gravel, trace clay, stiff, moist.	
					Bottom of borehole at 9.0 feet.	

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BORING B5527

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753785.997 ft **EASTING** 762556.029 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.8 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES DUP-05 collected from 7-9 ft. Recovery not recorded for 9-11 ft.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852					
2	850					
4	848					
6	846	92	B5527-ELEV-848-846		Fat clay, dark brown with some black, some silt and gravel, saturated, product staining, odor. Silt with clay, brown to dark brown, trace rounded cobble, trace coal and brick fragments, loose, moist, no odor.	0.7
8	844	92	B5527-ELEV-846-844		Fat clay, dark brown, some silt,trace gravel, saturated, product staining, odor. Silt with fat clay, gray-brown to brown, some gravel, trace coal fragments, stiff, moist.	11.1
10					Medium to coarse silt sand, bark brown to black, some gravel and brick fragments, loose, saturated, product staining. Fine sand with gravel, gray, loose, dry.	

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BORING B5527

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10	842	99	B5527-ELEV-844-842		Silt, dark brown to brown, some fat clay and trace gravel, stiff, moist.	5

Bottom of borehole at 11.0 feet.

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BORING B5528

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753459.017 ft **EASTING** 762355.007 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	850					
2	848					
4	846				Silt with sand and clay, brown with some gray, some gravel, trace coal fragments, stiff, saturated.	
6	844	75	B5528-ELEV-848-846			0

Bottom of borehole at 7.0 feet.

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BORING B5529

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/24 **COMPLETED** 8/14/24
NORTHING 753619.035 ft **EASTING** 762341.991 ft
DRILLER Parratt Wolff
GROUND ELEVATION 858.4 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	858					
2	856	67	B5529-ELEV-856-854		Fine sand with silt, brown, some gravel, trace coal, brick, and concrete fragments, loose, saturated.	0.9
4	854	67	B5529-ELEV-854-852		Medium sand with concrete, gray to brown some silt, trace clay and coal fragments, loose, moist.	0.6
6					Bottom of borehole at 6.0 feet.	

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BORING B5530

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753441.999 ft **EASTING** 762407.986 ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.7 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES Step off ~1.5 ft northeast due to vegetation atop of boring location

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	B5530-SUB-0.17-2		Clay with fine sand, brown with black and orange, some silt and gravel, trace coal and plant roots, loose, moist.	0.2
	848					
2					Bottom of borehole at 2.0 feet.	

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BORING B5530A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753443.587 ft **EASTING** 762406.837 ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.7 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES DUP-03 and MS/MSD collected from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	848					
2					Silty sand, dark brown to grey, hard, subangular.	
					Sandy silt, light brown, subangular.	
		75	B5530A-SUB-2-4			0.2
					Sandy silt, red/orange, subangular.	
	846					
4					Sandy silt, light brown, some coal ash fragments, subangular.	
		75	B5530A-SUB-4-6		Silty sand, light brown to brown, subangular.	0
	844					
6					Bottom of borehole at 6.0 feet.	

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BORING B5531

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/24 **COMPLETED** 8/15/24
NORTHING 753461.152 ft **EASTING** 762121.167 ft
DRILLER Parratt Wolff
GROUND ELEVATION 851.3 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	B5531-ELEV-852-850		Silty clay, brown, some sand and coal fragments, trace gravel, plant roots, loose, moist.	0
	850				Silt, brown to black, some sand and coal fragments, trace brick, loose, saturated.	
2		83	B5531-ELEV-850-848			0.1
					Fat clay, brown, trace sand, saturated.	
	848				Coal fragments, black, saturated.	
4		88	B5531-ELEV-848-846		Medium to coarse sand, brown, trace gravel, saturated.	0.4
	846				Medium to coarse sand, brown, trace gravel and shale fragments, loose, saturated, product staining from 6.08 to 6.33 ft.	
6		63	B5531-ELEV-846-844			0.3
	844				Medium sand, brown, loose, saturated.	
8		63	B5531-ELEV-844-842		Coal fragments, black, saturated.	0
					Fine grained sandstone with gravel and sand, gray-brown, some silt, weathered, moist.	

Bottom of borehole at 9.0 feet.

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BORING B5540

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/6/24 **COMPLETED** 9/6/24
NORTHING 753951.888 ft **EASTING** 762663.46 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.183 ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR GPRS
RIG TYPE Hand Auger
LOGGED BY J. Pomerantz **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854	100	B5540-0.17-2		Silty clay, tan, some fine gravel, moist. Silty clay, tan, gravel and some sand, subangular to subrounded, slightly moist.	
2					Bottom of borehole at 2.0 feet.	

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BORING B5541

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/6/24 **COMPLETED** 9/6/24
NORTHING 753945.4 ft **EASTING** 762660.614 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.569 ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR GPRS
RIG TYPE Hand Auger
LOGGED BY J. Pomerantz **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854	100	B5541-0.17-2		Silty clay, tan, trace fine gravel, moist. Silty clay, tan to brown, gravel with some sand, subangular to subrounded, slightly moist.	
2					Bottom of borehole at 2.0 feet.	

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BORING B5542

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/6/24 **COMPLETED** 9/6/24
NORTHING 753942.593 ft **EASTING** 762667.062 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.076 ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR GPRS
RIG TYPE Hand Auger
LOGGED BY J. Pomerantz **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854				Silty clay, tan, some fine gravel, moist.	
		100	B5542-0.17-2		Silty clay, tan and brown, gravel with some sand, subangular to subrounded, moist, some coal debris.	
2					Bottom of borehole at 2.0 feet.	

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BORING B5543

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/6/24 **COMPLETED** 9/6/24
NORTHING 753956.562 ft **EASTING** 762661.604 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.124 ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR GPRS
RIG TYPE Hand Auger
LOGGED BY J. Pomerantz **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854	100	B5543-0.17-2		Silty clay, tan, some fine gravel, moist. Silty clay, tan, gravel with some sand, subangular to rounded, moist.	
2					Bottom of borehole at 2.0 feet.	

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BORING B5544

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/6/24 **COMPLETED** 9/6/24
NORTHING 753943.482 ft **EASTING** 762655.856 ft
DRILLER Parratt Wolff
GROUND ELEVATION 855.021 ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR GPRS
RIG TYPE Hand Auger
LOGGED BY J. Pomerantz **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Silty clay, tan, some fine gravel, moist.	
					Silty clay with gravel, tan, subangular to rounded, moist.	
	854	100	B5544-0.17-2			
2					Bottom of borehole at 2.0 feet.	

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BORING B5545

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/6/24 **COMPLETED** 9/6/24
NORTHING 753937.898 ft **EASTING** 762669.042 ft
DRILLER Parratt Wolff
GROUND ELEVATION 853.883 ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION N/A
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR GPRS
RIG TYPE Hand Auger
LOGGED BY J. Pomerantz **CHECKED BY** W. Peters
NOTES DUP-01 collected from 0.17-2 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Silty clay, tannish brown, trace sandy fine gravel, moist.	
		100	B5545-0.17-2		Silty clay, tannish brown, some sandy gravel, subangular to rounded, one subangular cobble, moist.	
	852					
2					Bottom of borehole at 2.0 feet.	

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BORING B5550

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING ft **EASTING** ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES DUP-02 collected from 1.2-3.2 ft DUP-05 collected from 7.2-9.2 ft bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
	848				Silty clay, light brown, some organics, low permeability.	
2		100	B5550-ELEV-848-846		Silty sand, dark brown to grey, some clay, subrounded to subangular.	
	846				Black silt, dark brown sand, some coal ash and brick, minimal clay, low permeability, subrounded to subangular. Black silt, dark brown sand, some coal ash and brick, minimal clay, low permeability, subrounded to subangular. Fragmented concrete. Fragmented concrete, sandy silt matrix, black.	
4		71	B5550-ELEV-846-844		Dark grey silt, orange silty sand, subangular.	
	844				Silt, light to dark brown/grey, subangular.	
6		100	B5550-ELEV-844-842		Sandy silt, dark brown to grey, wet.	
	842				Sandy silt, dark grey to black, some fragmented shale, subrounded to subangular.	
8		67	B5550-ELEV-842-840			
	840				Sandy silt, dark grey to black, some fragmented shale, subrounded to subangular.	
10						

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(Continued Next Page)

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BORING B5550

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	B5550-ELEV-840-838		Fragmented conrete. Sandy silt, dark grey to black, subrounded to subangular.	
	838				Sandy silt, dark grey to black, subrounded to subangular.	
12		100			Sandy silt, light grey, wet. Bottom of borehole at 12.7 feet.	

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BORING B5551

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753437.94 ft **EASTING** 762378.242 ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.8 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters.
NOTES MS/MSD collect from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	B5551-ELEV-850-848		Silty sand, light brown, subangular.	0
	848					
2		75	B5551-ELEV-848-846		Silty sand, light brown, subangular. Sandy silt, dark brown to black, some coal ash.	0.4
	846					
4		100	B5551-ELEV-846-844		Sand with some clay, dark brown, low permeability.	0.2
	844					
6		100	B5551-ELEV-844-842		Sand with some clay, dark brown, low permeability.	0
	842				Silty sand, light to dark brown, subangular.	
8		100	B5551-ELEV-842-840		Silty sand, light to dark brown, subangular.	0
	840					
10					Silty sand, light to dark brown, subangular.	

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ELMIRA BORING LOG - GINT STD US.GDT - 3/11/25 12:35 - O:\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP14.GPJ

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BORING B5551

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100			Sandy silt, light grey, wet.	0
	838				Bottom of borehole at 11.8 feet.	

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BORING B5552

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753517.277 ft **EASTING** 762305.698 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.5 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	854				Silty clay, dark brown, organics, medium permeability.	
		100	B5552-ELEV-854-852		Silty sand, dark brown, some clay, low permeability, subangular.	0.3
2	852				Silty sand, dark brown to red, subangular.	
					Possible slag, porous black cobbles, shiny.	
		100	B5552-ELEV-852-850		Sandy silt, light brown, some clay, low permeability, subangular.	0.4
4	850				Sandy silt, black and dark grey.	
		100			Silty sand, dark brown to light grey, some clay, low permeability.	

Bottom of borehole at 5.5 feet.

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BORING B5553

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 762258.305 ft **EASTING** 762258.305 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.9 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES DUP-04 collected from 0.17-2 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Silty clay, dark brown, organics, medium plasticity.	
					Sandy silt, dark brown.	
	854	88	B5553-SUB-0.17-2		Fragmented concrete.	0.3
					Sandy silt, light to dark brown, subangular.	
2					Silty sand, dark brown, subangular.	
	852	88	B5553-SUB-2-4			0.2
4					Silty sand, dark brown, subangular.	
					Fragmented brick.	
					Silt with minimal sand, dark brown, subangular.	
	850	88	B5553-SUB-4-6			0
6					Bottom of borehole at 6.0 feet.	

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BORING B5554

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753479.98 ft **EASTING** 762451.237 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.1 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES MS/MSD-03 collected from 0-2

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852	100	B5554-ELEV-852-850		Silty clay, dark brown, organics, low permeability.	
					Silty sand, light brown, minimal clay, subangular.	
					Silty sand, dark brown to grey, subangular.	0
2	850	100	B5554-ELEV-850-848		Silt with coal ash, dark grey to red.	
					Silt with coal ash, dark grey to red.	
					Silty sand, dark brown to grey, some clay, low plasticity.	
					Silty sand, dark grey to orange, subangular.	0.3
4	848	100			Sandy silt, light brown to orange, hard.	

Bottom of borehole at 5.1 feet.

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BORING B5555

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/7/24 **COMPLETED** 12/7/24
NORTHING 753460.992 ft **EASTING** 762405.15 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.5 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Stelmach **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0	852				Sandy clay, dark brown, organics, medium plasticity.	
					Sandy clay, dark brown.	
					Silt with minimal clay, dark brown to grey, low permeability.	
		100	B5555-ELEV-852-850			0.8
2					Fragmented concrete, dark brown to grey, subangular.	
	850				Dark grey to black.	
		100	B5555-ELEV-850-848		Silty sand, dark brown to grey, subangular.	0.6
4						
	848				Silty sand, dark brown to grey, subangular.	
		100				

Bottom of borehole at 5.5 feet.

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Attachment D

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-South Portion

JOB NUMBER

180-178296-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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(412)963-2432

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Job Narrative
180-178296-1

Receipt
The samples were received on 8/13/2024 at the Eurofins Pittsburgh, PA and Cleveland (Barberton), OH laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3º C and 1.0º C.

GC/MS VOA
Method 8260D: The laboratory control sample duplicate (LCSD) for batch 180-476505 recovered below the control limits for the following analyte: Chloroethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated sample, the results were reported. The recovery in the laboratory control sample (LCS) was within the control limits.

Method 8260D: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-476505 was above the control limits for the following analytes: Bromomethane, Chloroethane, and 1,4-Dioxane.

Method 8260D: The laboratory control sample (LCS) for batch 180-476979 recovered below the control limits for the following analyte: Chloroethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated sample, the results were reported. The recovery in the laboratory control sample duplicate (LCSD) was within the control limits, but had the recovery of surrogate Dibromofluoronethane above the control limits.

Method 8260D: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-476979 was above the control limits for the following analytes: Carbon tetrachloride, Chloroethane, Dichlorodifluoromethane, 1,1,1-Trichloroethane, and Vinyl chloride.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-476505 was above criteria for the following analyte: 1,4-Dioxane and 1,2-Dichloroethane-d4 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-476505 was below criteria for the following analytes: Chloroethane, Acetone, and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-476979 was below criteria for the following analytes: Chloroethane, Acetone, 2-Butanone, 4-Methyl-2-pentanone, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Methyl acetate, and Dibromochloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-476737 was above criteria for the following analyte: Benzaldehyde. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

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

Metals
Method 6010D: The following sample was diluted to bring the concentration of iron within the instrument's calibration range: SSHS-SPA4-B5503-ELEV-846-844 (180-178296-2). Elevated reporting limits (RLs) are provided. Cadmium, copper, nickel, lead, antimony, thallium, and vanadium were also reported from dilution due to inter-element corrections associated with iron.

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Job ID: 180-178296-1 (Continued) Eurofins Pittsburgh

Method 6010D: The following sample was diluted to bring the concentration of manganese within the instrument's calibration range: SSHS-SPA4-B5502-ELEV-838-836 (180-178296-9). Elevated reporting limits (RLs) are provided. Arsenic, chromium, selenium, and thallium were also reported from dilution due to inter-element corrections associated with manganese.

Method 6010D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-SPA4-B5503-ELEV-848-846 (180-178296-1) had the recoveries of antimony and magnesium and the RPD between the spikes for lead outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 7471B: The following sample was diluted to bring the concentration of mercury within the instrument's calibration range: SSHS-SPA4-B5503-ELEV-846-844 (180-178296-2). Elevated reporting limits (RLs) are provided.

Method 7471B: The matrix spike duplicate (MSD) of sample SSHS-SPA4-B5503-ELEV-848-846 (180-178296-1) had the recovery of mercury above the control limits. The RPD between the spikes and the recoveries of the matrix spike (MS) and laboratory control sample (LCS) were within the control limits.

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

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-SPA4-B5506-ELEV-836-834 (180-178296-13) was above the control limits for percent moisture, but within the control limits for percent solids.

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

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Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260D	5035	Solid	1,2-Dichloroethene, Total

Laboratory: Eurofins Cleveland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-178296-1	SSHS-SPA4-B5503-ELEV-848-846	Solid	08/12/24 10:50	08/13/24 09:00
180-178296-2	SSHS-SPA4-B5503-ELEV-846-844	Solid	08/12/24 11:00	08/13/24 09:00
180-178296-3	SSHS-SPA4-B5503-ELEV-844-842	Solid	08/12/24 11:05	08/13/24 09:00
180-178296-4	SSHS-SPA4-B5502-ELEV-848-846	Solid	08/12/24 11:55	08/13/24 09:00
180-178296-5	SSHS-SPA4-B5502-ELEV-846-844	Solid	08/12/24 11:59	08/13/24 09:00
180-178296-6	SSHS-SPA4-DUP-01	Solid	08/12/24 00:00	08/13/24 09:00
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Solid	08/12/24 12:08	08/13/24 09:00
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Solid	08/12/24 12:18	08/13/24 09:00
180-178296-9	SSHS-SPA4-B5502-ELEV-838-836	Solid	08/12/24 12:30	08/13/24 09:00
180-178296-10	SSHS-SPA4-B5500-ELEV-850-848	Solid	08/12/24 12:50	08/13/24 09:00
180-178296-11	SSHS-SPA4-B5504-ELEV-838-836	Solid	08/12/24 13:50	08/13/24 09:00
180-178296-12	SSHS-SPA4-B5506-ELEV-838-836	Solid	08/12/24 14:47	08/13/24 09:00
180-178296-13	SSHS-SPA4-B5506-ELEV-836-834	Solid	08/12/24 14:55	08/13/24 09:00
180-178296-14	SSHS-SPA4-B5505-ELEV-834-832	Solid	08/12/24 15:50	08/13/24 09:00

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET CLE
7471B	Mercury (CVAA)	SW846	EET CLE
2540G	SM 2540G	SM22	EET PIT
Moisture	Percent Moisture	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET CLE
3541	Automated Soxhlet Extraction	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET CLE

Protocol References:

EPA = US Environmental Protection Agency
SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846
Lab Sample ID: 180-178296-1
Date Collected: 08/12/24 10:50
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 09:34	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846
Lab Sample ID: 180-178296-1
Date Collected: 08/12/24 10:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 19:12	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.55 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:09	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5503-ELEV-846-844
Lab Sample ID: 180-178296-2
Date Collected: 08/12/24 11:00
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 09:34	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5503-ELEV-846-844
Lab Sample ID: 180-178296-2
Date Collected: 08/12/24 11:00
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.17 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 19:34	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	3050B			1.17 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		2			623780	08/18/24 17:05	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.67 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		2			623526	08/15/24 13:08	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5503-ELEV-844-842
Lab Sample ID: 180-178296-3
Date Collected: 08/12/24 11:05
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 09:34	PQD2	EET CLE
	Instrument ID: NOEQUIP									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5503-ELEV-844-842
Lab Sample ID: 180-178296-3
Date Collected: 08/12/24 11:05
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 19:38	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.55 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:16	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5502-ELEV-848-846
Lab Sample ID: 180-178296-4
Date Collected: 08/12/24 11:55
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5502-ELEV-848-846
Lab Sample ID: 180-178296-4
Date Collected: 08/12/24 11:55
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 19:42	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.66 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:17	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5502-ELEV-846-844
Lab Sample ID: 180-178296-5
Date Collected: 08/12/24 11:59
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5502-ELEV-846-844
Lab Sample ID: 180-178296-5
Date Collected: 08/12/24 11:59
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.16 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 19:55	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.55 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:22	GK	EET CLE
	Instrument ID: H11									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-01
Lab Sample ID: 180-178296-6
Date Collected: 08/12/24 00:00
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-DUP-01
Lab Sample ID: 180-178296-6
Date Collected: 08/12/24 00:00
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 19:59	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.58 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:24	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5502-ELEV-844-842
Lab Sample ID: 180-178296-7
Date Collected: 08/12/24 12:08
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5502-ELEV-844-842
Lab Sample ID: 180-178296-7
Date Collected: 08/12/24 12:08
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2262 g	5 mL	476925	08/16/24 14:04	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	476979	08/17/24 19:43	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	476683	08/14/24 15:15	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	476737	08/15/24 19:02	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3050B			1.07 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 20:04	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.59 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:26	GK	EET CLE
	Instrument ID: H11									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5502-ELEV-840-838
Lab Sample ID: 180-178296-8
Date Collected: 08/12/24 12:18
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5502-ELEV-840-838
Lab Sample ID: 180-178296-8
Date Collected: 08/12/24 12:18
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3307 g	5 mL	476545	08/13/24 15:55	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	476505	08/13/24 19:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	476683	08/14/24 15:15	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	476737	08/15/24 19:23	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3050B			1.25 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 20:08	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.54 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:28	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5502-ELEV-838-836
Lab Sample ID: 180-178296-9
Date Collected: 08/12/24 12:30
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5502-ELEV-838-836
Lab Sample ID: 180-178296-9
Date Collected: 08/12/24 12:30
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 20:12	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	3050B			1.14 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		2			623780	08/18/24 17:09	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.57 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:29	GK	EET CLE
	Instrument ID: H11									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5500-ELEV-850-848
Lab Sample ID: 180-178296-10
Date Collected: 08/12/24 12:50
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5500-ELEV-850-848
Lab Sample ID: 180-178296-10
Date Collected: 08/12/24 12:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 20:17	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.55 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:31	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5504-ELEV-838-836
Lab Sample ID: 180-178296-11
Date Collected: 08/12/24 13:50
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5504-ELEV-838-836
Lab Sample ID: 180-178296-11
Date Collected: 08/12/24 13:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 20:21	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.68 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:33	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5506-ELEV-838-836
Lab Sample ID: 180-178296-12
Date Collected: 08/12/24 14:47
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:29	PQD2	EET CLE
	Instrument ID: NOEQUIP									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5506-ELEV-838-836
Lab Sample ID: 180-178296-12
Date Collected: 08/12/24 14:47
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.04 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 20:26	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.57 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:34	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5506-ELEV-836-834
Lab Sample ID: 180-178296-13
Date Collected: 08/12/24 14:55
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			623189	08/13/24 14:31	PQD2	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5506-ELEV-836-834
Lab Sample ID: 180-178296-13
Date Collected: 08/12/24 14:55
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.07 g	100 mL	623354	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623740	08/17/24 20:30	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.56 g	100 mL	623357	08/14/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			623526	08/15/24 12:36	GK	EET CLE
	Instrument ID: H11									

Client Sample ID: SSHS-SPA4-B5505-ELEV-834-832
Lab Sample ID: 180-178296-14
Date Collected: 08/12/24 15:50
Matrix: Solid
Date Received: 08/13/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476667	08/14/24 13:40	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5505-ELEV-834-832
Lab Sample ID: 180-178296-14
Date Collected: 08/12/24 15:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	476827	08/15/24 15:10	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	476864	08/17/24 02:25	JMO	EET PIT
	Instrument ID: CHGC8									

Laboratory References:
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Analyst References:

Lab: EET CLE
- Batch Type: Prep
  - DEE = Dale Elshaw
- Batch Type: Analysis
  - AJC = Alexander Colosi
  - GK = Grace Kessler
  - PQD2 = Aliya Berresford

Lab: EET PIT
- Batch Type: Prep
  - DVC = Daniel Capodanno
  - PJJ = Patrick Journet
- Batch Type: Analysis
  - JMA = Justin Adametz
  - JMO = John Oravec
  - PJJ = Patrick Journet
  - VVP = Vincent Piccolino

DRAFT

Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846
Lab Sample ID: 180-178296-1

Date Collected: 08/12/24 10:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 93.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		20	5.4	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Antimony	ND	F1	2.0	0.37	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Arsenic	5.2		1.5	0.32	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Barium	48		20	0.37	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Beryllium	0.13	J	0.51	0.055	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Cadmium	0.17	J	0.51	0.049	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Calcium	72000		510	37	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Chromium	11		1.0	0.35	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Cobalt	6.2		1.0	0.075	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Copper	25		2.5	0.24	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Iron	17000		20	7.1	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Lead	11	F2	1.0	0.29	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Magnesium	14000	F1	510	16	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Manganese	360		1.5	0.26	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Nickel	19		4.1	0.50	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Potassium	780		510	36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Selenium	0.54	J	2.0	0.48	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Silver	ND		1.0	0.082	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Sodium	390	J	510	140	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Thallium	0.50	J	2.0	0.41	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Vanadium	12		5.1	0.84	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1
Zinc	73		5.1	1.4	mg/Kg	☼	08/14/24 15:00	08/17/24 19:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.081	J F1	0.12	0.021	mg/Kg	☼	08/14/24 15:00	08/15/24 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	93.6		0.1	0.1	%			08/13/24 09:34	1
Percent Moisture (EPA Moisture)	6.4		0.1	0.1	%			08/13/24 09:34	1

Client Sample ID: SSHS-SPA4-B5503-ELEV-846-844
Lab Sample ID: 180-178296-2

Date Collected: 08/12/24 11:00
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 85.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4000		20	5.3	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Antimony	1.2	J	4.0	0.72	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2
Arsenic	41		1.5	0.32	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Barium	490		20	0.36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Beryllium	0.27	J	0.50	0.054	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Cadmium	0.11	J	1.0	0.096	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2
Calcium	20000		500	36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Chromium	21		1.0	0.34	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Cobalt	6.7		1.0	0.074	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Copper	140		5.0	0.47	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2
Iron	92000		40	14	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2
Lead	640		2.0	0.56	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2

DRAFT

Client Sample ID: SSHS-SPA4-B5503-ELEV-846-844
Lab Sample ID: 180-178296-2
Date Collected: 08/12/24 11:00
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 85.6

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1500		500	15	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Manganese	400		1.5	0.26	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Nickel	38		8.0	0.99	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2
Potassium	660		500	36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Selenium	1.9	J	2.0	0.47	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Silver	ND		1.0	0.081	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Sodium	660		500	140	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1
Thallium	ND		4.0	0.80	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2
Vanadium	33		10	1.6	mg/Kg	☼	08/14/24 15:00	08/18/24 17:05	2
Zinc	71		5.0	1.4	mg/Kg	☼	08/14/24 15:00	08/17/24 19:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.1		0.21	0.038	mg/Kg	☼	08/14/24 15:00	08/15/24 13:08	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	85.6		0.1	0.1	%			08/13/24 09:34	1
Percent Moisture (EPA Moisture)	14.4		0.1	0.1	%			08/13/24 09:34	1

Client Sample ID: SSHS-SPA4-B5503-ELEV-844-842
Lab Sample ID: 180-178296-3
Date Collected: 08/12/24 11:05
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 75.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		24	6.4	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Antimony	0.71	J	2.4	0.43	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Arsenic	18		1.8	0.38	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Barium	260		24	0.43	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Beryllium	0.51	J	0.60	0.064	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Cadmium	0.24	J	0.60	0.057	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Calcium	20000		600	43	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Chromium	36		1.2	0.41	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Cobalt	8.9		1.2	0.088	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Copper	260		3.0	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Iron	56000		24	8.3	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Lead	220		1.2	0.34	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Magnesium	7400		600	18	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Manganese	220		1.8	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Nickel	67		4.8	0.59	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Potassium	1200		600	43	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Selenium	1.6	J	2.4	0.56	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Silver	ND		1.2	0.096	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Sodium	710		600	170	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Thallium	ND		2.4	0.48	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Vanadium	19		6.0	0.98	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1
Zinc	100		6.0	1.6	mg/Kg	☼	08/14/24 15:00	08/17/24 19:38	1

DRAFT

Client Sample ID: SSHS-SPA4-B5503-ELEV-844-842
Lab Sample ID: 180-178296-3
Date Collected: 08/12/24 11:05
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 75.6

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.075	J	0.14	0.026	mg/Kg	☼	08/14/24 15:00	08/15/24 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	75.6		0.1	0.1	%			08/13/24 09:34	1
Percent Moisture (EPA Moisture)	24.4		0.1	0.1	%			08/13/24 09:34	1

Client Sample ID: SSHS-SPA4-B5502-ELEV-848-846
Lab Sample ID: 180-178296-4
Date Collected: 08/12/24 11:55
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 89.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5800		20	5.3	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Antimony	0.62	J	2.0	0.36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Arsenic	46		1.5	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Barium	88		20	0.36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Beryllium	0.24	J	0.50	0.054	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Cadmium	0.30	J	0.50	0.048	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Calcium	14000		500	36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Chromium	19		0.99	0.34	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Cobalt	5.0		0.99	0.073	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Copper	55		2.5	0.23	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Iron	45000		20	6.9	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Lead	170		0.99	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Magnesium	3000		500	15	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Manganese	180		1.5	0.26	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Nickel	67		4.0	0.49	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Potassium	680		500	35	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Selenium	2.7		2.0	0.47	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Silver	ND		0.99	0.080	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Sodium	290	J	500	140	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Thallium	ND		2.0	0.40	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Vanadium	15		5.0	0.82	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1
Zinc	77		5.0	1.4	mg/Kg	☼	08/14/24 15:00	08/17/24 19:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041	J	0.10	0.018	mg/Kg	☼	08/14/24 15:00	08/15/24 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	89.2		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	10.8		0.1	0.1	%			08/13/24 14:29	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5502-ELEV-846-844
Lab Sample ID: 180-178296-5
Date Collected: 08/12/24 11:59
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 89.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600		19	5.2	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Antimony	0.49	J	1.9	0.35	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Arsenic	14		1.5	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Barium	64		19	0.35	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Beryllium	0.38	J	0.48	0.052	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Cadmium	0.52		0.48	0.046	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Calcium	18000		480	35	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Chromium	29		0.97	0.33	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Cobalt	7.6		0.97	0.072	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Copper	130		2.4	0.23	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Iron	31000		19	6.7	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Lead	130		0.97	0.27	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Magnesium	3500		480	15	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Manganese	240		1.5	0.25	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Nickel	96		3.9	0.48	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Potassium	580		480	35	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Selenium	1.2	J	1.9	0.45	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Silver	ND		0.97	0.078	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Sodium	220	J	480	140	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Thallium	ND		1.9	0.39	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Vanadium	13		4.8	0.80	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1
Zinc	150		4.8	1.3	mg/Kg	☼	08/14/24 15:00	08/17/24 19:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.12	0.022	mg/Kg	☼	08/14/24 15:00	08/15/24 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	89.0		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	11.0		0.1	0.1	%			08/13/24 14:29	1

Client Sample ID: SSHS-SPA4-DUP-01
Lab Sample ID: 180-178296-6
Date Collected: 08/12/24 00:00
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 90.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6400		20	5.4	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Antimony	0.83	J	2.0	0.36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Arsenic	20		1.5	0.32	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Barium	59		20	0.36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Beryllium	0.35	J	0.50	0.054	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Cadmium	0.41	J	0.50	0.048	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Calcium	24000		500	37	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Chromium	14		1.0	0.35	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Cobalt	10		1.0	0.075	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Copper	49		2.5	0.24	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Iron	37000		20	7.0	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Lead	110		1.0	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1

DRAFT

Client Sample ID: SSHS-SPA4-DUP-01
Lab Sample ID: 180-178296-6

Date Collected: 08/12/24 00:00
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 90.2

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**4600**		500	15	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Manganese	**460**		1.5	0.26	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Nickel	**71**		4.0	0.50	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Potassium	**560**		500	36	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Selenium	**1.3**	**J**	2.0	0.47	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Silver	ND		1.0	0.082	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Sodium	**190**	**J**	500	140	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Thallium	ND		2.0	0.40	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Vanadium	**11**		5.0	0.83	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1
Zinc	**360**		5.0	1.4	mg/Kg	☼	08/14/24 15:00	08/17/24 19:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.11	0.021	mg/Kg	☼	08/14/24 15:00	08/15/24 12:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**90.2**		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	**9.8**		0.1	0.1	%			08/13/24 14:29	1

Client Sample ID: SSHS-SPA4-B5502-ELEV-844-842
Lab Sample ID: 180-178296-7

Date Collected: 08/12/24 12:08
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 86.4

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	10	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Benzene	ND		5.5	3.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
2-Butanone (MEK)	ND		28	11	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Carbon tetrachloride	ND	*1	5.5	2.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Chlorobenzene	ND		5.5	3.3	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Chloroethane	ND	*1 *-	5.5	3.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Chloromethane	ND		5.5	4.4	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
cis-1,2-Dichloroethene	ND		5.5	2.8	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Cyclohexane	ND		5.5	3.7	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,2-Dibromoethane	ND		5.5	2.9	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,2-Dichlorobenzene	ND		5.5	3.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,4-Dichlorobenzene	ND		5.5	3.1	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Dichlorodifluoromethane	ND	*1	5.5	4.5	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,1-Dichloroethane	ND		5.5	2.8	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1

DRAFT

Client Sample ID: SSHS-SPA4-B5502-ELEV-844-842
Lab Sample ID: 180-178296-7
Date Collected: 08/12/24 12:08
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 86.4

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.5	3.3	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,1-Dichloroethene	ND		5.5	4.3	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,2-Dichloropropane	ND		5.5	2.7	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Ethylbenzene	ND		5.5	4.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
2-Hexanone	ND		28	4.6	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Isopropylbenzene	ND		5.5	4.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Methylcyclohexane	ND		5.5	3.9	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
4-Methyl-2-pentanone (MIBK)	ND		28	3.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Methyl tert-butyl ether	ND		5.5	3.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
m-Xylene & p-Xylene	ND		5.5	4.3	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
o-Xylene	ND		5.5	3.8	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Styrene	ND		5.5	3.7	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,1,2,2-Tetrachloroethane	ND		5.5	4.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Tetrachloroethene	ND		5.5	4.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Toluene	ND		5.5	4.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
trans-1,2-Dichloroethene	ND		5.5	3.4	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,1,1-Trichloroethane	ND	*1	5.5	1.8	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,1,2-Trichloroethane	ND		5.5	2.9	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Trichloroethene	ND		5.5	3.0	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	5.2	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Vinyl chloride	ND	*1	5.5	4.0	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	08/16/24 14:04	08/17/24 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*08/16/24 14:04*	*08/17/24 19:43*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*08/16/24 14:04*	*08/17/24 19:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*08/16/24 14:04*	*08/17/24 19:43*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*08/16/24 14:04*	*08/17/24 19:43*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Acenaphthylene	ND		78	17	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Acetophenone	ND		780	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Anthracene	ND		78	20	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Atrazine	ND		780	170	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Benzaldehyde	ND		780	48	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Benzo[a]anthracene	**35**	**J**	78	35	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Benzo[a]pyrene	ND		78	33	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Benzo[b]fluoranthene	**33**	**J**	78	19	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Benzo[g,h,i]perylene	**66**	**J**	78	17	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5502-ELEV-844-842
Lab Sample ID: 180-178296-7
Date Collected: 08/12/24 12:08
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 86.4

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Bis(2-chloroethyl)ether	ND		78	24	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Butyl benzyl phthalate	ND		1900	270	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Caprolactam	ND		2000	250	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Carbazole	ND		78	18	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Chrysene	**48**	**J**	78	43	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Dibenz(a,h)anthracene	ND		78	49	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Dibenzofuran	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Dimethyl phthalate	ND		780	430	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Di-n-butyl phthalate	ND		3800	800	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
1,4-Dioxane	ND		780	240	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Fluoranthene	**24**	**J**	78	20	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Fluorene	ND		78	15	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Hexachlorocyclopentadiene	ND		380	100	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Hexachloroethane	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Indeno[1,2,3-cd]pyrene	ND		78	38	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Isophorone	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2-Methylnaphthalene	**45**	**J**	78	19	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2-Methylphenol	ND		380	110	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Naphthalene	**30**	**J**	78	15	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Nitrobenzene	ND		780	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1

DRAFT

Client Sample ID: SSHS-SPA4-B5502-ELEV-844-842
Lab Sample ID: 180-178296-7

Date Collected: 08/12/24 12:08
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 86.4

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		2000	620	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Phenanthrene	**34**	**J**	78	21	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Phenol	ND		380	120	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
Pyrene	**41**	**J**	78	27	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	08/14/24 15:15	08/15/24 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*08/14/24 15:15*	*08/15/24 19:02*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*08/14/24 15:15*	*08/15/24 19:02*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*08/14/24 15:15*	*08/15/24 19:02*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*08/14/24 15:15*	*08/15/24 19:02*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*08/14/24 15:15*	*08/15/24 19:02*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*08/14/24 15:15*	*08/15/24 19:02*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	5.8	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Antimony	**0.40**	**J**	2.2	0.39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Arsenic	**7.7**		1.6	0.34	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Barium	**83**		22	0.39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Beryllium	**0.49**	**J**	0.54	0.058	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Cadmium	**0.21**	**J**	0.54	0.052	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Calcium	**8100**		540	39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Chromium	**16**		1.1	0.37	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Cobalt	**8.9**		1.1	0.080	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Copper	**150**		2.7	0.26	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Iron	**25000**		22	7.5	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Lead	**44**		1.1	0.30	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Magnesium	**2900**		540	17	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Manganese	**170**		1.6	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Nickel	**68**		4.3	0.54	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Potassium	**960**		540	39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Selenium	**0.62**	**J**	2.2	0.51	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Silver	ND		1.1	0.088	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Sodium	**220**	**J**	540	150	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Thallium	ND		2.2	0.43	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Vanadium	**15**		5.4	0.89	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1
Zinc	**120**		5.4	1.5	mg/Kg	☼	08/14/24 15:00	08/17/24 20:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.12	0.021	mg/Kg	☼	08/14/24 15:00	08/15/24 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**86.4**		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	**13.6**		0.1	0.1	%			08/13/24 14:29	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5502-ELEV-840-838
Lab Sample ID: 180-178296-8
Date Collected: 08/12/24 12:18
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 80.3

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	30		29	10	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Benzene	ND		5.8	3.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Bromomethane	ND	*1	5.8	2.7	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
2-Butanone (MEK)	ND		29	11	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Carbon disulfide	ND		5.8	4.7	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Carbon tetrachloride	ND		5.8	2.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Chlorobenzene	ND		5.8	3.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Chloroethane	ND	*- *1	5.8	3.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Chloromethane	ND		5.8	4.6	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
cis-1,2-Dichloroethene	ND		5.8	2.9	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Cyclohexane	ND		5.8	3.9	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.8	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2-Dibromoethane	ND		5.8	3.0	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2-Dichlorobenzene	ND		5.8	3.3	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,4-Dichlorobenzene	ND		5.8	3.2	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Dichlorodifluoromethane	ND		5.8	4.7	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,1-Dichloroethane	ND		5.8	3.0	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2-Dichloroethane	ND		5.8	3.5	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,1-Dichloroethene	ND		5.8	4.5	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2-Dichloropropane	ND		5.8	2.8	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,4-Dioxane	ND	*1	1200	89	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Ethylbenzene	ND		5.8	4.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
2-Hexanone	ND		29	4.9	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Isopropylbenzene	ND		5.8	4.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Methyl acetate	ND		29	8.6	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Methylcyclohexane	ND		5.8	4.1	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Methylene Chloride	ND		5.8	5.3	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
4-Methyl-2-pentanone (MIBK)	ND		29	3.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Methyl tert-butyl ether	ND		5.8	3.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
m-Xylene & p-Xylene	ND		5.8	4.6	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
o-Xylene	ND		5.8	4.0	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Styrene	ND		5.8	3.9	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,1,2,2-Tetrachloroethane	ND		5.8	4.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Tetrachloroethene	ND		5.8	4.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Toluene	ND		5.8	4.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
trans-1,2-Dichloroethene	ND		5.8	3.6	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,2,4-Trichlorobenzene	ND		5.8	3.0	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,1,1-Trichloroethane	ND		5.8	2.0	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,1,2-Trichloroethane	ND		5.8	3.1	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1

DRAFT

Client Sample ID: SSHS-SPA4-B5502-ELEV-840-838
Lab Sample ID: 180-178296-8
Date Collected: 08/12/24 12:18
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 80.3

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.8	3.2	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	5.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	08/13/24 15:55	08/13/24 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*08/13/24 15:55*	*08/13/24 19:31*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*08/13/24 15:55*	*08/13/24 19:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*	*08/13/24 15:55*	*08/13/24 19:31*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*08/13/24 15:55*	*08/13/24 19:31*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	24	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Acenaphthylene	ND		82	18	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Acetophenone	ND		820	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Anthracene	ND		82	21	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Atrazine	ND		820	180	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Benzaldehyde	ND		820	51	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Benzo[a]anthracene	**230**		82	37	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Benzo[a]pyrene	ND		82	36	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Benzo[b]fluoranthene	ND		82	20	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Benzo[g,h,i]perylene	ND		82	18	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Benzo[k]fluoranthene	ND		82	25	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Bis(2-chloroethyl)ether	ND		82	25	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
4-Bromophenyl phenyl ether	ND		410	170	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Butyl benzyl phthalate	ND		2100	280	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Caprolactam	ND		2100	270	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Carbazole	ND		82	19	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Chrysene	**410**		82	45	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Dibenz(a,h)anthracene	ND		82	52	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Dibenzofuran	ND		410	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,4-Dichlorophenol	ND		82	32	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Dimethyl phthalate	ND		820	450	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Di-n-butyl phthalate	ND		4100	850	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,4-Dinitrophenol	ND		4100	2500	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,4-Dinitrotoluene	ND		410	240	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1

DRAFT

Client Sample ID: SSHS-SPA4-B5502-ELEV-840-838
Lab Sample ID: 180-178296-8
Date Collected: 08/12/24 12:18
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 80.3

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
1,4-Dioxane	ND		820	260	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Fluoranthene	ND		82	22	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Fluorene	ND		82	16	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Hexachlorocyclopentadiene	ND		410	110	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Hexachloroethane	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Indeno[1,2,3-cd]pyrene	ND		82	41	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Isophorone	ND		410	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2-Methylnaphthalene	ND		82	20	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2-Methylphenol	ND		410	120	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Naphthalene	ND		82	16	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Nitrobenzene	ND		820	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
N-Nitrosodi-n-propylamine	ND		82	28	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Phenanthrene	ND		82	22	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Phenol	ND		410	120	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
Pyrene	**260**		82	29	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	08/14/24 15:15	08/15/24 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*44 - 105*	*08/14/24 15:15*	*08/15/24 19:23*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*08/14/24 15:15*	*08/15/24 19:23*	*1*
Nitrobenzene-d5 (Surr)	*103*		*46 - 105*	*08/14/24 15:15*	*08/15/24 19:23*	*1*
Phenol-d5 (Surr)	*93*		*46 - 105*	*08/14/24 15:15*	*08/15/24 19:23*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*08/14/24 15:15*	*08/15/24 19:23*	*1*
2,4,6-Tribromophenol (Surr)	*102*		*34 - 108*	*08/14/24 15:15*	*08/15/24 19:23*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		20	5.3	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Antimony	ND		2.0	0.36	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Arsenic	**6.9**		1.5	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Barium	**49**		20	0.36	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Beryllium	**0.30**	**J**	0.50	0.054	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Cadmium	**0.15**	**J**	0.50	0.048	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Calcium	**1400**		500	36	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1

DRAFT

Client Sample ID: SSHS-SPA4-B5502-ELEV-840-838

Lab Sample ID: 180-178296-8
Date Collected: 08/12/24 12:18
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 80.3

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11		1.0	0.34	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Cobalt	6.3		1.0	0.074	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Copper	70		2.5	0.24	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Iron	12000		20	6.9	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Lead	12		1.0	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Magnesium	1200		500	15	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Manganese	690		1.5	0.26	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Nickel	27		4.0	0.49	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Potassium	680		500	36	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Selenium	ND		2.0	0.47	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Silver	0.19	J B	1.0	0.081	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Sodium	ND		500	140	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Thallium	ND		2.0	0.40	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Vanadium	9.3		5.0	0.82	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1
Zinc	96		5.0	1.4	mg/Kg	☼	08/14/24 15:00	08/17/24 20:08	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.14	0.025	mg/Kg	☼	08/14/24 15:00	08/15/24 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	80.3		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	19.7		0.1	0.1	%			08/13/24 14:29	1

Client Sample ID: SSHS-SPA4-B5502-ELEV-838-836

Lab Sample ID: 180-178296-9
Date Collected: 08/12/24 12:30
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 83.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		21	5.6	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Antimony	ND		2.1	0.38	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Arsenic	7.7		3.2	0.67	mg/Kg	☼	08/14/24 15:00	08/18/24 17:09	2
Barium	73		21	0.38	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Beryllium	0.40	J	0.53	0.057	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Cadmium	0.41	J	0.53	0.051	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Calcium	15000		530	39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Chromium	19		2.1	0.73	mg/Kg	☼	08/14/24 15:00	08/18/24 17:09	2
Cobalt	8.8		1.1	0.078	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Copper	150		2.6	0.25	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Iron	21000		21	7.3	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Lead	31		1.1	0.30	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Magnesium	5000		530	16	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Manganese	2000		3.2	0.55	mg/Kg	☼	08/14/24 15:00	08/18/24 17:09	2
Nickel	76		4.2	0.52	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Potassium	800		530	38	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Selenium	ND		4.2	0.99	mg/Kg	☼	08/14/24 15:00	08/18/24 17:09	2
Silver	0.17	J B	1.1	0.086	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Sodium	190	J	530	150	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1

DRAFT

Client Sample ID: SSHS-SPA4-B5502-ELEV-838-836
Lab Sample ID: 180-178296-9
Date Collected: 08/12/24 12:30
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 83.0

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.95	J	4.2	0.84	mg/Kg	☼	08/14/24 15:00	08/18/24 17:09	2
Vanadium	14		5.3	0.87	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1
Zinc	170		5.3	1.4	mg/Kg	☼	08/14/24 15:00	08/17/24 20:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.13	0.023	mg/Kg	☼	08/14/24 15:00	08/15/24 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	83.0		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	17.0		0.1	0.1	%			08/13/24 14:29	1

Client Sample ID: SSHS-SPA4-B5500-ELEV-850-848
Lab Sample ID: 180-178296-10
Date Collected: 08/12/24 12:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 95.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6100		20	5.2	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Antimony	ND		2.0	0.35	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Arsenic	4.7		1.5	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Barium	49		20	0.35	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Beryllium	0.14	J	0.49	0.053	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Cadmium	0.15	J	0.49	0.047	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Calcium	67000		490	36	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Chromium	8.4		0.98	0.34	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Cobalt	5.6		0.98	0.072	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Copper	21		2.4	0.23	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Iron	14000		20	6.8	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Lead	27		0.98	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Magnesium	9200		490	15	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Manganese	370		1.5	0.25	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Nickel	17		3.9	0.49	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Potassium	690		490	35	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Selenium	ND		2.0	0.46	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Silver	ND		0.98	0.079	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Sodium	570		490	140	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Thallium	0.39	J	2.0	0.39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Vanadium	11		4.9	0.80	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1
Zinc	64		4.9	1.3	mg/Kg	☼	08/14/24 15:00	08/17/24 20:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.021	mg/Kg	☼	08/14/24 15:00	08/15/24 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	95.4		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	4.6		0.1	0.1	%			08/13/24 14:29	1

DRAFT

Client Sample ID: SSHS-SPA4-B5504-ELEV-838-836
Lab Sample ID: 180-178296-11

Date Collected: 08/12/24 13:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 82.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6400		24	6.4	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Antimony	0.70	J	2.4	0.43	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Arsenic	6.8		1.8	0.38	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Barium	58		24	0.43	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Beryllium	0.29	J	0.60	0.065	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Cadmium	0.17	J	0.60	0.058	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Calcium	6100		600	44	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Chromium	26		1.2	0.41	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Cobalt	7.5		1.2	0.089	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Copper	31		3.0	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Iron	16000		24	8.3	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Lead	14		1.2	0.34	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Magnesium	2600		600	18	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Manganese	660		1.8	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Nickel	22		4.8	0.60	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Potassium	880		600	43	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Selenium	ND		2.4	0.56	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Silver	0.16	J B	1.2	0.097	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Sodium	ND		600	170	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Thallium	ND		2.4	0.48	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Vanadium	12		6.0	0.99	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1
Zinc	82		6.0	1.6	mg/Kg	☼	08/14/24 15:00	08/17/24 20:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.019	mg/Kg	☼	08/14/24 15:00	08/15/24 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	82.4		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	17.6		0.1	0.1	%			08/13/24 14:29	1

Client Sample ID: SSHS-SPA4-B5506-ELEV-838-836
Lab Sample ID: 180-178296-12

Date Collected: 08/12/24 14:47
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 87.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8700		22	5.9	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Antimony	ND		2.2	0.39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Arsenic	5.5		1.6	0.35	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Barium	85		22	0.40	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Beryllium	0.36	J	0.55	0.059	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Cadmium	0.16	J	0.55	0.053	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Calcium	4900		550	40	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Chromium	33		1.1	0.38	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Cobalt	7.8		1.1	0.081	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Copper	31		2.7	0.26	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Iron	20000		22	7.6	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Lead	11		1.1	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1

DRAFT

Client Sample ID: SSHS-SPA4-B5506-ELEV-838-836

Lab Sample ID: 180-178296-12
Date Collected: 08/12/24 14:47
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 87.4

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2700		550	17	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Manganese	480		1.6	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Nickel	22		4.4	0.55	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Potassium	980		550	39	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Selenium	0.76	J	2.2	0.52	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Silver	0.12	J B	1.1	0.089	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Sodium	ND		550	160	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Thallium	ND		2.2	0.44	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Vanadium	14		5.5	0.90	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1
Zinc	79		5.5	1.5	mg/Kg	☼	08/14/24 15:00	08/17/24 20:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.12	0.022	mg/Kg	☼	08/14/24 15:00	08/15/24 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	87.4		0.1	0.1	%			08/13/24 14:29	1
Percent Moisture (EPA Moisture)	12.6		0.1	0.1	%			08/13/24 14:29	1

Client Sample ID: SSHS-SPA4-B5506-ELEV-836-834

Lab Sample ID: 180-178296-13
Date Collected: 08/12/24 14:55
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 79.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5600		24	6.3	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Antimony	ND		2.4	0.42	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Arsenic	5.6		1.8	0.37	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Barium	55		24	0.43	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Beryllium	0.28	J	0.59	0.064	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Cadmium	0.17	J	0.59	0.057	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Calcium	2000		590	43	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Chromium	8.4		1.2	0.41	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Cobalt	5.4		1.2	0.088	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Copper	22		3.0	0.28	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Iron	15000		24	8.2	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Lead	7.9		1.2	0.33	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Magnesium	2000		590	18	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Manganese	690		1.8	0.31	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Nickel	16		4.7	0.59	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Potassium	630		590	42	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Selenium	ND		2.4	0.55	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Silver	0.12	J B	1.2	0.096	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Sodium	ND		590	170	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Thallium	ND		2.4	0.47	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Vanadium	10		5.9	0.97	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1
Zinc	74		5.9	1.6	mg/Kg	☼	08/14/24 15:00	08/17/24 20:30	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178296-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5506-ELEV-836-834
Lab Sample ID: 180-178296-13
Date Collected: 08/12/24 14:55
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 79.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.14	0.024	mg/Kg	☼	08/14/24 15:00	08/15/24 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**79.0**		0.1	0.1	%			08/13/24 14:31	1
Percent Moisture (EPA Moisture)	**21.0**		0.1	0.1	%			08/13/24 14:31	1

Client Sample ID: SSHS-SPA4-B5505-ELEV-834-832
Lab Sample ID: 180-178296-14
Date Collected: 08/12/24 15:50
Matrix: Solid
Date Received: 08/13/24 09:00
Percent Solids: 80.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1221	ND		20	7.2	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1232	ND		20	5.0	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1242	ND		20	3.0	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1248	ND		20	4.9	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1254	**62**		20	6.1	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1260	ND		20	5.8	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1262	ND		20	7.2	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1
PCB-1268	ND		20	2.7	ug/Kg	☼	08/15/24 15:10	08/17/24 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*57 - 146*	*08/15/24 15:10*	*08/17/24 02:25*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*57 - 146*	*08/15/24 15:10*	*08/17/24 02:25*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*60 - 135*	*08/15/24 15:10*	*08/17/24 02:25*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*60 - 135*	*08/15/24 15:10*	*08/17/24 02:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**19.9**		0.1	0.1	%			08/14/24 13:40	1
Percent Solids (SM22 2540G)	**80.1**		0.1	0.1	%			08/14/24 13:40	1

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-476505/6
Matrix: Solid
Analysis Batch: 476505

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	9.0	ug/Kg			08/13/24 11:41	1
Benzene	ND		5.0	2.9	ug/Kg			08/13/24 11:41	1
Bromoform	ND		5.0	2.5	ug/Kg			08/13/24 11:41	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/13/24 11:41	1
2-Butanone (MEK)	ND		25	9.8	ug/Kg			08/13/24 11:41	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/13/24 11:41	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/13/24 11:41	1
Chlorobenzene	ND		5.0	3.0	ug/Kg			08/13/24 11:41	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/13/24 11:41	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/13/24 11:41	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/13/24 11:41	1
Chloroform	ND		5.0	3.4	ug/Kg			08/13/24 11:41	1
Chloromethane	ND		5.0	4.0	ug/Kg			08/13/24 11:41	1
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/Kg			08/13/24 11:41	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/13/24 11:41	1
Cyclohexane	ND		5.0	3.4	ug/Kg			08/13/24 11:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/13/24 11:41	1
1,2-Dibromoethane	ND		5.0	2.6	ug/Kg			08/13/24 11:41	1
1,2-Dichlorobenzene	ND		5.0	2.9	ug/Kg			08/13/24 11:41	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/13/24 11:41	1
1,4-Dichlorobenzene	ND		5.0	2.8	ug/Kg			08/13/24 11:41	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/13/24 11:41	1
Dichlorodifluoromethane	ND		5.0	4.1	ug/Kg			08/13/24 11:41	1
1,1-Dichloroethane	ND		5.0	2.6	ug/Kg			08/13/24 11:41	1
1,2-Dichloroethane	ND		5.0	3.0	ug/Kg			08/13/24 11:41	1
1,1-Dichloroethene	ND		5.0	3.9	ug/Kg			08/13/24 11:41	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/13/24 11:41	1
1,2-Dichloropropane	ND		5.0	2.4	ug/Kg			08/13/24 11:41	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/13/24 11:41	1
Ethylbenzene	ND		5.0	3.8	ug/Kg			08/13/24 11:41	1
2-Hexanone	ND		25	4.2	ug/Kg			08/13/24 11:41	1
Isopropylbenzene	ND		5.0	3.8	ug/Kg			08/13/24 11:41	1
Methyl acetate	ND		25	7.4	ug/Kg			08/13/24 11:41	1
Methylcyclohexane	ND		5.0	3.5	ug/Kg			08/13/24 11:41	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/13/24 11:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	2.9	ug/Kg			08/13/24 11:41	1
Methyl tert-butyl ether	ND		5.0	2.9	ug/Kg			08/13/24 11:41	1
m-Xylene & p-Xylene	ND		5.0	3.9	ug/Kg			08/13/24 11:41	1
o-Xylene	ND		5.0	3.5	ug/Kg			08/13/24 11:41	1
Styrene	ND		5.0	3.3	ug/Kg			08/13/24 11:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.8	ug/Kg			08/13/24 11:41	1
Tetrachloroethene	ND		5.0	3.8	ug/Kg			08/13/24 11:41	1
Toluene	ND		5.0	3.8	ug/Kg			08/13/24 11:41	1
trans-1,2-Dichloroethene	ND		5.0	3.1	ug/Kg			08/13/24 11:41	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/13/24 11:41	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/13/24 11:41	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/13/24 11:41	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/13/24 11:41	1

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-476505/6
Matrix: Solid
Analysis Batch: 476505

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	2.6	ug/Kg			08/13/24 11:41	1
Trichloroethene	ND		5.0	2.7	ug/Kg			08/13/24 11:41	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/13/24 11:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	4.7	ug/Kg			08/13/24 11:41	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/13/24 11:41	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/13/24 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*		*08/13/24 11:41*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*		*08/13/24 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*		*08/13/24 11:41*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*		*08/13/24 11:41*	*1*

Lab Sample ID: LCS 180-476505/4
Matrix: Solid
Analysis Batch: 476505

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	30.3		ug/Kg		76	23 - 170
Benzene	40.0	38.0		ug/Kg		95	77 - 120
Bromoform	40.0	45.9		ug/Kg		115	37 - 147
Bromomethane	40.0	40.7		ug/Kg		102	47 - 149
2-Butanone (MEK)	40.0	35.4		ug/Kg		88	39 - 157
Carbon disulfide	40.0	37.3		ug/Kg		93	40 - 156
Carbon tetrachloride	40.0	37.9		ug/Kg		95	73 - 130
Chlorobenzene	40.0	37.4		ug/Kg		93	79 - 122
Chlorobromomethane	40.0	41.2		ug/Kg		103	64 - 128
Chlorodibromomethane	40.0	34.5		ug/Kg		86	60 - 134
Chloroethane	40.0	17.0		ug/Kg		42	37 - 159
Chloroform	40.0	40.4		ug/Kg		101	73 - 126
Chloromethane	40.0	36.7		ug/Kg		92	46 - 151
cis-1,2-Dichloroethene	40.0	40.1		ug/Kg		100	77 - 118
cis-1,3-Dichloropropene	40.0	43.5		ug/Kg		109	73 - 127
Cyclohexane	40.0	36.5		ug/Kg		91	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	33.6		ug/Kg		84	30 - 163
1,2-Dibromoethane	40.0	40.3		ug/Kg		101	59 - 137
1,2-Dichlorobenzene	40.0	37.7		ug/Kg		94	76 - 120
1,3-Dichlorobenzene	40.0	37.1		ug/Kg		93	77 - 121
1,4-Dichlorobenzene	40.0	37.9		ug/Kg		95	79 - 120
Dichlorobromomethane	40.0	41.1		ug/Kg		103	75 - 123
Dichlorodifluoromethane	40.0	35.4		ug/Kg		89	26 - 149
1,1-Dichloroethane	40.0	38.6		ug/Kg		97	73 - 124
1,2-Dichloroethane	40.0	41.1		ug/Kg		103	64 - 140
1,1-Dichloroethene	40.0	40.3		ug/Kg		101	55 - 136
1,2-Dichloroethene, Total	80.0	78.8		ug/Kg		99	77 - 119
1,2-Dichloropropane	40.0	39.1		ug/Kg		98	77 - 119
1,4-Dioxane	800	476	J	ug/Kg		59	18 - 166
Ethylbenzene	40.0	36.1		ug/Kg		90	79 - 119

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-476505/4
Matrix: Solid
Analysis Batch: 476505

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	37.7		ug/Kg		94	42 - 152
Isopropylbenzene	40.0	35.1		ug/Kg		88	70 - 125
Methyl acetate	80.0	79.4		ug/Kg		99	20 - 170
Methylcyclohexane	40.0	37.4		ug/Kg		93	70 - 125
Methylene Chloride	40.0	40.8		ug/Kg		102	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	42.1		ug/Kg		105	51 - 147
Methyl tert-butyl ether	40.0	43.8		ug/Kg		110	58 - 132
m-Xylene & p-Xylene	40.0	36.1		ug/Kg		90	77 - 120
o-Xylene	40.0	37.7		ug/Kg		94	78 - 118
Styrene	40.0	36.8		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	41.4		ug/Kg		104	36 - 170
Tetrachloroethene	40.0	37.0		ug/Kg		93	71 - 121
Toluene	40.0	37.5		ug/Kg		94	76 - 120
trans-1,2-Dichloroethene	40.0	38.7		ug/Kg		97	75 - 122
trans-1,3-Dichloropropene	40.0	36.9		ug/Kg		92	68 - 133
1,2,3-Trichlorobenzene	40.0	33.4		ug/Kg		83	29 - 166
1,2,4-Trichlorobenzene	40.0	33.4		ug/Kg		84	22 - 170
1,1,1-Trichloroethane	40.0	38.6		ug/Kg		96	72 - 134
1,1,2-Trichloroethane	40.0	39.6		ug/Kg		99	66 - 128
Trichloroethene	40.0	40.0		ug/Kg		100	69 - 118
Trichlorofluoromethane	40.0	38.2		ug/Kg		95	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.5		ug/Kg		96	59 - 135
Vinyl chloride	40.0	35.8		ug/Kg		89	64 - 134
Xylenes, Total	80.0	73.8		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Lab Sample ID: LCSD 180-476505/23
Matrix: Solid
Analysis Batch: 476505

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	34.1		ug/Kg		85	23 - 170	12	35
Benzene	40.0	33.4		ug/Kg		84	77 - 120	13	20
Bromoform	40.0	42.4		ug/Kg		106	37 - 147	8	23
Bromomethane	40.0	31.3	*1	ug/Kg		78	47 - 149	26	25
2-Butanone (MEK)	40.0	32.4		ug/Kg		81	39 - 157	9	33
Carbon disulfide	40.0	34.2		ug/Kg		86	40 - 156	9	25
Carbon tetrachloride	40.0	37.0		ug/Kg		92	73 - 130	2	21
Chlorobenzene	40.0	34.0		ug/Kg		85	79 - 122	9	20
Chlorobromomethane	40.0	38.0		ug/Kg		95	64 - 128	8	20
Chlorodibromomethane	40.0	31.1		ug/Kg		78	60 - 134	10	40
Chloroethane	40.0	12.2	*- *1	ug/Kg		30	37 - 159	33	25
Chloroform	40.0	36.2		ug/Kg		91	73 - 126	11	20

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-476505/23
Matrix: Solid
Analysis Batch: 476505

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	34.0		ug/Kg		85	46 - 151	7	33
cis-1,2-Dichloroethene			40.0	36.3		ug/Kg		91	77 - 118	10	20
cis-1,3-Dichloropropene			40.0	37.4		ug/Kg		94	73 - 127	15	20
Cyclohexane			40.0	34.7		ug/Kg		87	63 - 143	5	25
1,2-Dibromo-3-Chloropropane			40.0	31.9		ug/Kg		80	30 - 163	5	34
1,2-Dibromoethane			40.0	37.1		ug/Kg		93	59 - 137	8	20
1,2-Dichlorobenzene			40.0	34.8		ug/Kg		87	76 - 120	8	20
1,3-Dichlorobenzene			40.0	34.1		ug/Kg		85	77 - 121	8	20
1,4-Dichlorobenzene			40.0	34.2		ug/Kg		86	79 - 120	10	20
Dichlorobromomethane			40.0	34.8		ug/Kg		87	75 - 123	17	20
Dichlorodifluoromethane			40.0	31.4		ug/Kg		78	26 - 149	12	24
1,1-Dichloroethane			40.0	35.4		ug/Kg		88	73 - 124	9	20
1,2-Dichloroethane			40.0	36.1		ug/Kg		90	64 - 140	13	20
1,1-Dichloroethene			40.0	37.0		ug/Kg		93	55 - 136	9	21
1,2-Dichloroethene, Total			80.0	72.7		ug/Kg		91	77 - 119	8	20
1,2-Dichloropropane			40.0	34.3		ug/Kg		86	77 - 119	13	20
1,4-Dioxane			800	816	J *1	ug/Kg		102	18 - 166	53	40
Ethylbenzene			40.0	33.6		ug/Kg		84	79 - 119	7	20
2-Hexanone			40.0	34.9		ug/Kg		87	42 - 152	8	30
Isopropylbenzene			40.0	33.8		ug/Kg		85	70 - 125	4	21
Methyl acetate			80.0	72.2		ug/Kg		90	20 - 170	9	33
Methylcyclohexane			40.0	34.2		ug/Kg		85	70 - 125	9	22
Methylene Chloride			40.0	34.6		ug/Kg		86	67 - 131	16	32
4-Methyl-2-pentanone (MIBK)			40.0	36.5		ug/Kg		91	51 - 147	14	27
Methyl tert-butyl ether			40.0	36.1		ug/Kg		90	58 - 132	19	24
m-Xylene & p-Xylene			40.0	33.5		ug/Kg		84	77 - 120	7	20
o-Xylene			40.0	35.2		ug/Kg		88	78 - 118	7	20
Styrene			40.0	34.5		ug/Kg		86	80 - 120	6	20
1,1,2,2-Tetrachloroethane			40.0	37.8		ug/Kg		94	36 - 170	9	23
Tetrachloroethene			40.0	34.7		ug/Kg		87	71 - 121	7	21
Toluene			40.0	33.8		ug/Kg		85	76 - 120	10	20
trans-1,2-Dichloroethene			40.0	36.4		ug/Kg		91	75 - 122	6	20
trans-1,3-Dichloropropene			40.0	33.1		ug/Kg		83	68 - 133	11	20
1,2,3-Trichlorobenzene			40.0	38.6		ug/Kg		96	29 - 166	15	40
1,2,4-Trichlorobenzene			40.0	37.6		ug/Kg		94	22 - 170	12	29
1,1,1-Trichloroethane			40.0	36.9		ug/Kg		92	72 - 134	5	20
1,1,2-Trichloroethane			40.0	35.4		ug/Kg		88	66 - 128	11	21
Trichloroethene			40.0	35.6		ug/Kg		89	69 - 118	11	20
Trichlorofluoromethane			40.0	27.2		ug/Kg		68	32 - 149	34	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.9		ug/Kg		92	59 - 135	4	28
Vinyl chloride			40.0	33.0		ug/Kg		83	64 - 134	8	23
Xylenes, Total			80.0	68.7		ug/Kg		86	78 - 118	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-476505/23
Matrix: Solid
Analysis Batch: 476505

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	94		67 - 134

Lab Sample ID: MB 180-476979/8
Matrix: Solid
Analysis Batch: 476979

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	9.0	ug/Kg			08/17/24 12:43	1
Benzene	ND		5.0	2.9	ug/Kg			08/17/24 12:43	1
Bromoform	ND		5.0	2.5	ug/Kg			08/17/24 12:43	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/17/24 12:43	1
2-Butanone (MEK)	ND		25	9.8	ug/Kg			08/17/24 12:43	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/17/24 12:43	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/17/24 12:43	1
Chlorobenzene	ND		5.0	3.0	ug/Kg			08/17/24 12:43	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/17/24 12:43	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/17/24 12:43	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/17/24 12:43	1
Chloroform	ND		5.0	3.4	ug/Kg			08/17/24 12:43	1
Chloromethane	ND		5.0	4.0	ug/Kg			08/17/24 12:43	1
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/Kg			08/17/24 12:43	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/17/24 12:43	1
Cyclohexane	ND		5.0	3.4	ug/Kg			08/17/24 12:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/17/24 12:43	1
1,2-Dibromoethane	ND		5.0	2.6	ug/Kg			08/17/24 12:43	1
1,2-Dichlorobenzene	ND		5.0	2.9	ug/Kg			08/17/24 12:43	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/17/24 12:43	1
1,4-Dichlorobenzene	ND		5.0	2.8	ug/Kg			08/17/24 12:43	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/17/24 12:43	1
Dichlorodifluoromethane	ND		5.0	4.1	ug/Kg			08/17/24 12:43	1
1,1-Dichloroethane	ND		5.0	2.6	ug/Kg			08/17/24 12:43	1
1,2-Dichloroethane	ND		5.0	3.0	ug/Kg			08/17/24 12:43	1
1,1-Dichloroethene	ND		5.0	3.9	ug/Kg			08/17/24 12:43	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/17/24 12:43	1
1,2-Dichloropropane	ND		5.0	2.4	ug/Kg			08/17/24 12:43	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/17/24 12:43	1
Ethylbenzene	ND		5.0	3.8	ug/Kg			08/17/24 12:43	1
2-Hexanone	ND		25	4.2	ug/Kg			08/17/24 12:43	1
Isopropylbenzene	ND		5.0	3.8	ug/Kg			08/17/24 12:43	1
Methyl acetate	ND		25	7.4	ug/Kg			08/17/24 12:43	1
Methylcyclohexane	ND		5.0	3.5	ug/Kg			08/17/24 12:43	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/17/24 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	2.9	ug/Kg			08/17/24 12:43	1
Methyl tert-butyl ether	ND		5.0	2.9	ug/Kg			08/17/24 12:43	1
m-Xylene & p-Xylene	ND		5.0	3.9	ug/Kg			08/17/24 12:43	1
o-Xylene	ND		5.0	3.5	ug/Kg			08/17/24 12:43	1
Styrene	ND		5.0	3.3	ug/Kg			08/17/24 12:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.8	ug/Kg			08/17/24 12:43	1

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-476979/8
Matrix: Solid
Analysis Batch: 476979

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	3.8	ug/Kg			08/17/24 12:43	1
Toluene	ND		5.0	3.8	ug/Kg			08/17/24 12:43	1
trans-1,2-Dichloroethene	ND		5.0	3.1	ug/Kg			08/17/24 12:43	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/17/24 12:43	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/17/24 12:43	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/17/24 12:43	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/17/24 12:43	1
1,1,2-Trichloroethane	ND		5.0	2.6	ug/Kg			08/17/24 12:43	1
Trichloroethene	ND		5.0	2.7	ug/Kg			08/17/24 12:43	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/17/24 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	4.7	ug/Kg			08/17/24 12:43	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/17/24 12:43	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/17/24 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*		*08/17/24 12:43*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*		*08/17/24 12:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*		*08/17/24 12:43*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*		*08/17/24 12:43*	*1*

Lab Sample ID: LCS 180-476979/4
Matrix: Solid
Analysis Batch: 476979

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	31.0		ug/Kg		78	23 - 170
Benzene	40.0	33.6		ug/Kg		84	77 - 120
Bromoform	40.0	44.4		ug/Kg		111	37 - 147
Bromomethane	40.0	28.8		ug/Kg		72	47 - 149
2-Butanone (MEK)	40.0	30.5		ug/Kg		76	39 - 157
Carbon disulfide	40.0	35.4		ug/Kg		88	40 - 156
Carbon tetrachloride	40.0	35.8		ug/Kg		90	73 - 130
Chlorobenzene	40.0	34.4		ug/Kg		86	79 - 122
Chlorobromomethane	40.0	39.2		ug/Kg		98	64 - 128
Chlorodibromomethane	40.0	32.1		ug/Kg		80	60 - 134
Chloroethane	40.0	4.42	J *-	ug/Kg		11	37 - 159
Chloroform	40.0	36.5		ug/Kg		91	73 - 126
Chloromethane	40.0	33.8		ug/Kg		84	46 - 151
cis-1,2-Dichloroethene	40.0	36.9		ug/Kg		92	77 - 118
cis-1,3-Dichloropropene	40.0	38.2		ug/Kg		95	73 - 127
Cyclohexane	40.0	33.1		ug/Kg		83	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	33.3		ug/Kg		83	30 - 163
1,2-Dibromoethane	40.0	38.8		ug/Kg		97	59 - 137
1,2-Dichlorobenzene	40.0	35.5		ug/Kg		89	76 - 120
1,3-Dichlorobenzene	40.0	34.9		ug/Kg		87	77 - 121
1,4-Dichlorobenzene	40.0	34.8		ug/Kg		87	79 - 120
Dichlorobromomethane	40.0	35.7		ug/Kg		89	75 - 123
Dichlorodifluoromethane	40.0	30.3		ug/Kg		76	26 - 149

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-476979/4
Matrix: Solid
Analysis Batch: 476979

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	34.8		ug/Kg		87	73 - 124
1,2-Dichloroethane	40.0	38.4		ug/Kg		96	64 - 140
1,1-Dichloroethene	40.0	35.4		ug/Kg		89	55 - 136
1,2-Dichloroethene, Total	80.0	73.6		ug/Kg		92	77 - 119
1,2-Dichloropropane	40.0	35.1		ug/Kg		88	77 - 119
1,4-Dioxane	800	913	J	ug/Kg		114	18 - 166
Ethylbenzene	40.0	33.3		ug/Kg		83	79 - 119
2-Hexanone	40.0	33.0		ug/Kg		82	42 - 152
Isopropylbenzene	40.0	34.1		ug/Kg		85	70 - 125
Methyl acetate	80.0	76.0		ug/Kg		95	20 - 170
Methylcyclohexane	40.0	33.9		ug/Kg		85	70 - 125
Methylene Chloride	40.0	40.9		ug/Kg		102	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	32.4		ug/Kg		81	51 - 147
Methyl tert-butyl ether	40.0	37.2		ug/Kg		93	58 - 132
m-Xylene & p-Xylene	40.0	33.6		ug/Kg		84	77 - 120
o-Xylene	40.0	35.3		ug/Kg		88	78 - 118
Styrene	40.0	34.8		ug/Kg		87	80 - 120
1,1,2,2-Tetrachloroethane	40.0	38.1		ug/Kg		95	36 - 170
Tetrachloroethene	40.0	33.9		ug/Kg		85	71 - 121
Toluene	40.0	33.8		ug/Kg		85	76 - 120
trans-1,2-Dichloroethene	40.0	36.7		ug/Kg		92	75 - 122
trans-1,3-Dichloropropene	40.0	34.1		ug/Kg		85	68 - 133
1,2,3-Trichlorobenzene	40.0	38.0		ug/Kg		95	29 - 166
1,2,4-Trichlorobenzene	40.0	39.0		ug/Kg		97	22 - 170
1,1,1-Trichloroethane	40.0	36.7		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	35.4		ug/Kg		88	66 - 128
Trichloroethene	40.0	36.4		ug/Kg		91	69 - 118
Trichlorofluoromethane	40.0	26.6		ug/Kg		67	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	35.5		ug/Kg		89	59 - 135
Vinyl chloride	40.0	30.3		ug/Kg		76	64 - 134
Xylenes, Total	80.0	68.9		ug/Kg		86	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*
Toluene-d8 (Surr)	*88*		*67 - 134*

Lab Sample ID: LCSD 180-476979/5
Matrix: Solid
Analysis Batch: 476979

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	30.3		ug/Kg		76	23 - 170	3	35
Benzene	40.0	39.9		ug/Kg		100	77 - 120	17	20
Bromoform	40.0	45.4		ug/Kg		113	37 - 147	2	23
Bromomethane	40.0	33.8		ug/Kg		85	47 - 149	16	25
2-Butanone (MEK)	40.0	31.9		ug/Kg		80	39 - 157	4	33

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-476979/5
Matrix: Solid
Analysis Batch: 476979

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide	40.0	43.2		ug/Kg		108	40 - 156	20	25
Carbon tetrachloride	40.0	46.8	*1	ug/Kg		117	73 - 130	27	21
Chlorobenzene	40.0	38.8		ug/Kg		97	79 - 122	12	20
Chlorobromomethane	40.0	45.1		ug/Kg		113	64 - 128	14	20
Chlorodibromomethane	40.0	34.6		ug/Kg		86	60 - 134	7	40
Chloroethane	40.0	49.1	*1	ug/Kg		123	37 - 159	167	25
Chloroform	40.0	43.1		ug/Kg		108	73 - 126	17	20
Chloromethane	40.0	38.8		ug/Kg		97	46 - 151	14	33
cis-1,2-Dichloroethene	40.0	43.4		ug/Kg		108	77 - 118	16	20
cis-1,3-Dichloropropene	40.0	43.7		ug/Kg		109	73 - 127	13	20
Cyclohexane	40.0	41.6		ug/Kg		104	63 - 143	23	25
1,2-Dibromo-3-Chloropropane	40.0	34.0		ug/Kg		85	30 - 163	2	34
1,2-Dibromoethane	40.0	41.5		ug/Kg		104	59 - 137	7	20
1,2-Dichlorobenzene	40.0	38.4		ug/Kg		96	76 - 120	8	20
1,3-Dichlorobenzene	40.0	39.1		ug/Kg		98	77 - 121	11	20
1,4-Dichlorobenzene	40.0	38.7		ug/Kg		97	79 - 120	11	20
Dichlorobromomethane	40.0	41.4		ug/Kg		104	75 - 123	15	20
Dichlorodifluoromethane	40.0	39.5	*1	ug/Kg		99	26 - 149	26	24
1,1-Dichloroethane	40.0	42.3		ug/Kg		106	73 - 124	19	20
1,2-Dichloroethane	40.0	41.4		ug/Kg		103	64 - 140	7	20
1,1-Dichloroethene	40.0	43.2		ug/Kg		108	55 - 136	20	21
1,2-Dichloroethene, Total	80.0	87.2		ug/Kg		109	77 - 119	17	20
1,2-Dichloropropane	40.0	39.3		ug/Kg		98	77 - 119	11	20
1,4-Dioxane	800	940	J	ug/Kg		118	18 - 166	3	40
Ethylbenzene	40.0	39.1		ug/Kg		98	79 - 119	16	20
2-Hexanone	40.0	35.4		ug/Kg		88	42 - 152	7	30
Isopropylbenzene	40.0	39.8		ug/Kg		100	70 - 125	16	21
Methyl acetate	80.0	78.3		ug/Kg		98	20 - 170	3	33
Methylcyclohexane	40.0	41.3		ug/Kg		103	70 - 125	20	22
Methylene Chloride	40.0	49.2		ug/Kg		123	67 - 131	18	32
4-Methyl-2-pentanone (MIBK)	40.0	39.1		ug/Kg		98	51 - 147	19	27
Methyl tert-butyl ether	40.0	41.2		ug/Kg		103	58 - 132	10	24
m-Xylene & p-Xylene	40.0	39.1		ug/Kg		98	77 - 120	15	20
o-Xylene	40.0	40.8		ug/Kg		102	78 - 118	14	20
Styrene	40.0	39.8		ug/Kg		99	80 - 120	13	20
1,1,2,2-Tetrachloroethane	40.0	39.8		ug/Kg		100	36 - 170	4	23
Tetrachloroethene	40.0	40.7		ug/Kg		102	71 - 121	18	21
Toluene	40.0	39.2		ug/Kg		98	76 - 120	15	20
trans-1,2-Dichloroethene	40.0	43.8		ug/Kg		110	75 - 122	18	20
trans-1,3-Dichloropropene	40.0	35.7		ug/Kg		89	68 - 133	5	20
1,2,3-Trichlorobenzene	40.0	37.6		ug/Kg		94	29 - 166	1	40
1,2,4-Trichlorobenzene	40.0	37.0		ug/Kg		92	22 - 170	5	29
1,1,1-Trichloroethane	40.0	46.0	*1	ug/Kg		115	72 - 134	22	20
1,1,2-Trichloroethane	40.0	39.3		ug/Kg		98	66 - 128	11	21
Trichloroethene	40.0	43.1		ug/Kg		108	69 - 118	17	20
Trichlorofluoromethane	40.0	37.3		ug/Kg		93	32 - 149	33	39
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	45.0		ug/Kg		112	59 - 135	23	28
Vinyl chloride	40.0	38.7	*1	ug/Kg		97	64 - 134	25	23

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-476979/5
Matrix: Solid
Analysis Batch: 476979

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			80.0	79.9		ug/Kg		100	78 - 118	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*
Dibromofluoromethane (Surr)	*127*	*S1+*	*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

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

Lab Sample ID: MB 180-476683/1-A
Matrix: Solid
Analysis Batch: 476737

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Acenaphthylene	ND		67	15	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Acetophenone	ND		670	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Anthracene	ND		67	17	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Atrazine	ND		670	150	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Benzaldehyde	ND		670	41	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Benzo[a]anthracene	ND		67	30	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Benzo[a]pyrene	ND		67	29	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
1,1'-Biphenyl	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Bis(2-chloroethyl)ether	ND		67	21	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Butyl benzyl phthalate	ND		1700	230	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Caprolactam	ND		1700	220	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Carbazole	ND		67	16	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
4-Chloroaniline	ND		330	88	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2-Chloronaphthalene	ND		67	15	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2-Chlorophenol	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Chrysene	ND		67	37	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Dibenzofuran	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Diethyl phthalate	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Dimethyl phthalate	ND		670	370	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Di-n-butyl phthalate	ND		3300	690	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		08/14/24 15:15	08/15/24 11:21	1

DRAFT

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

Lab Sample ID: MB 180-476683/1-A
Matrix: Solid
Analysis Batch: 476737

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
1,4-Dioxane	ND		670	210	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Fluoranthene	ND		67	18	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Fluorene	ND		67	13	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Hexachlorobenzene	ND		67	24	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Hexachlorobutadiene	ND		67	20	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Hexachlorocyclopentadiene	ND		330	90	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Hexachloroethane	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Isophorone	ND		330	130	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2-Methylnaphthalene	ND		67	16	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2-Methylphenol	ND		330	96	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Naphthalene	ND		67	13	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
3-Nitroaniline	ND		1700	85	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
4-Nitroaniline	ND		1700	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Nitrobenzene	ND		670	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2-Nitrophenol	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
4-Nitrophenol	ND		1700	230	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Pentachlorophenol	ND		1700	540	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Phenanthrene	ND		67	18	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Phenol	ND		330	100	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
Pyrene	ND		67	24	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		08/14/24 15:15	08/15/24 11:21	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		08/14/24 15:15	08/15/24 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*44 - 105*	*08/14/24 15:15*	*08/15/24 11:21*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*08/14/24 15:15*	*08/15/24 11:21*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*08/14/24 15:15*	*08/15/24 11:21*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*08/14/24 15:15*	*08/15/24 11:21*	*1*
Terphenyl-d14 (Surr)	*57*		*39 - 105*	*08/14/24 15:15*	*08/15/24 11:21*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*34 - 108*	*08/14/24 15:15*	*08/15/24 11:21*	*1*

DRAFT

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

Lab Sample ID: LCS 180-476683/2-A
Matrix: Solid
Analysis Batch: 476737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4880		ug/Kg		73	50 - 100
Acenaphthylene	6670	5370		ug/Kg		80	52 - 100
Acetophenone	6670	4970		ug/Kg		74	48 - 100
Anthracene	6670	5020		ug/Kg		75	53 - 100
Atrazine	6670	5840		ug/Kg		88	49 - 103
Benzaldehyde	6670	4360		ug/Kg		65	23 - 105
Benzo[a]anthracene	6670	5110		ug/Kg		77	51 - 100
Benzo[a]pyrene	6670	5200		ug/Kg		78	51 - 100
Benzo[b]fluoranthene	6670	4540		ug/Kg		68	48 - 100
Benzo[g,h,i]perylene	6670	4650		ug/Kg		70	48 - 105
Benzo[k]fluoranthene	6670	4940		ug/Kg		74	19 - 100
1,1'-Biphenyl	6670	5110		ug/Kg		77	50 - 100
Bis(2-chloroethoxy)methane	6670	4930		ug/Kg		74	49 - 100
Bis(2-chloroethyl)ether	6670	5040		ug/Kg		76	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4480		ug/Kg		67	53 - 107
4-Bromophenyl phenyl ether	6670	5490		ug/Kg		82	52 - 101
Butyl benzyl phthalate	6670	4630		ug/Kg		69	52 - 107
Caprolactam	6670	4520		ug/Kg		68	48 - 111
Carbazole	6670	4780		ug/Kg		72	53 - 100
4-Chloroaniline	6670	4440		ug/Kg		67	47 - 100
4-Chloro-3-methylphenol	6670	5190		ug/Kg		78	49 - 106
2-Chloronaphthalene	6670	4980		ug/Kg		75	51 - 100
2-Chlorophenol	6670	5120		ug/Kg		77	51 - 100
4-Chlorophenyl phenyl ether	6670	5070		ug/Kg		76	52 - 100
Chrysene	6670	5100		ug/Kg		77	50 - 100
Dibenz(a,h)anthracene	6670	4740		ug/Kg		71	50 - 107
Dibenzofuran	6670	4850		ug/Kg		73	52 - 100
3,3'-Dichlorobenzidine	6670	4540		ug/Kg		68	43 - 100
2,4-Dichlorophenol	6670	5290		ug/Kg		79	53 - 101
Diethyl phthalate	6670	4920		ug/Kg		74	48 - 104
2,4-Dimethylphenol	6670	3660		ug/Kg		55	51 - 101
Dimethyl phthalate	6670	5130		ug/Kg		77	53 - 100
Di-n-butyl phthalate	6670	5070		ug/Kg		76	57 - 102
4,6-Dinitro-2-methylphenol	13300	9290		ug/Kg		70	51 - 100
2,4-Dinitrophenol	13300	8720		ug/Kg		65	33 - 101
2,4-Dinitrotoluene	6670	5180		ug/Kg		78	54 - 104
2,6-Dinitrotoluene	6670	5220		ug/Kg		78	51 - 106
Di-n-octyl phthalate	6670	4560		ug/Kg		68	41 - 106
1,4-Dioxane	6670	4380		ug/Kg		66	25 - 125
Fluoranthene	6670	5340		ug/Kg		80	55 - 100
Fluorene	6670	5020		ug/Kg		75	52 - 100
Hexachlorobenzene	6670	5310		ug/Kg		80	49 - 100
Hexachlorobutadiene	6670	5590		ug/Kg		84	38 - 107
Hexachlorocyclopentadiene	6670	3930		ug/Kg		59	33 - 117
Hexachloroethane	6670	5200		ug/Kg		78	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5160		ug/Kg		77	51 - 103
Isophorone	6670	5330		ug/Kg		80	48 - 105
2-Methylnaphthalene	6670	5170		ug/Kg		78	53 - 100

DRAFT

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

Lab Sample ID: LCS 180-476683/2-A
Matrix: Solid
Analysis Batch: 476737

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	6670	5080		ug/Kg		76	50 - 101
Methylphenol, 3 & 4	6670	5100		ug/Kg		76	50 - 103
Naphthalene	6670	4860		ug/Kg		73	51 - 100
2-Nitroaniline	6670	5720		ug/Kg		86	42 - 123
3-Nitroaniline	6670	4870		ug/Kg		73	50 - 103
4-Nitroaniline	6670	4980		ug/Kg		75	52 - 103
Nitrobenzene	6670	5260		ug/Kg		79	44 - 108
2-Nitrophenol	6670	5390		ug/Kg		81	55 - 107
4-Nitrophenol	13300	10400		ug/Kg		78	30 - 134
N-Nitrosodi-n-propylamine	6670	5600		ug/Kg		84	45 - 107
N-Nitrosodiphenylamine	6670	4880		ug/Kg		73	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4300		ug/Kg		64	30 - 113
Pentachlorophenol	13300	11600		ug/Kg		87	42 - 110
Phenanthrene	6670	4800		ug/Kg		72	53 - 100
Phenol	6670	4940		ug/Kg		74	49 - 100
Pyrene	6670	5280		ug/Kg		79	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5460		ug/Kg		82	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5450		ug/Kg		82	47 - 104
2,4,5-Trichlorophenol	6670	5530		ug/Kg		83	50 - 104
2,4,6-Trichlorophenol	6670	5510		ug/Kg		83	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*44 - 105*
2-Fluorophenol (Surr)	*74*		*48 - 105*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*
Phenol-d5 (Surr)	*74*		*46 - 105*
Terphenyl-d14 (Surr)	*65*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-476827/1-A
Matrix: Solid
Analysis Batch: 477488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1221	ND		17	5.9	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1232	ND		17	4.1	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1242	ND		17	2.4	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1248	ND		17	4.0	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1254	ND		17	5.0	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1260	ND		17	4.7	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1262	ND		17	5.9	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1268	ND		17	2.2	ug/Kg		08/15/24 15:10	08/23/24 16:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*57 - 146*	*08/15/24 15:10*	*08/23/24 16:40*	*1*

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Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-476827/1-A
Matrix: Solid
Analysis Batch: 477488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476827

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		57 - 146	08/15/24 15:10	08/23/24 16:40	1
Tetrachloro-m-xylene (Surr)	76		60 - 135	08/15/24 15:10	08/23/24 16:40	1
Tetrachloro-m-xylene (Surr)	72		60 - 135	08/15/24 15:10	08/23/24 16:40	1

Lab Sample ID: LCS 180-476827/2-A
Matrix: Solid
Analysis Batch: 476864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1100		ug/Kg		82	48 - 132		
PCB-1260			1330	1170		ug/Kg		87	45 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	100		57 - 146
DCB Decachlorobiphenyl (Surr)	111		57 - 146
Tetrachloro-m-xylene (Surr)	81		60 - 135
Tetrachloro-m-xylene (Surr)	93		60 - 135

Lab Sample ID: 180-178296-14 MS
Matrix: Solid
Analysis Batch: 476864

Client Sample ID: SSHS-SPA4-B5505-ELEV-834-832
Prep Type: Total/NA
Prep Batch: 476827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1650	1190		ug/Kg	☼	72	48 - 132		
PCB-1260	ND		1650	1060		ug/Kg	☼	64	45 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	79		57 - 146
DCB Decachlorobiphenyl (Surr)	83		57 - 146
Tetrachloro-m-xylene (Surr)	67		60 - 135
Tetrachloro-m-xylene (Surr)	77		60 - 135

Lab Sample ID: 180-178296-14 MSD
Matrix: Solid
Analysis Batch: 476864

Client Sample ID: SSHS-SPA4-B5505-ELEV-834-832
Prep Type: Total/NA
Prep Batch: 476827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1630	1340		ug/Kg	☼	82	48 - 132	12	25
PCB-1260	ND		1630	1240		ug/Kg	☼	76	45 - 128	16	23

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	95		57 - 146
DCB Decachlorobiphenyl (Surr)	101		57 - 146
Tetrachloro-m-xylene (Surr)	77		60 - 135
Tetrachloro-m-xylene (Surr)	86		60 - 135

DRAFT

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-623354/1-A
Matrix: Solid
Analysis Batch: 623740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.3	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Antimony	ND		2.0	0.36	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Arsenic	ND		1.5	0.32	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Barium	ND		20	0.36	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Beryllium	ND		0.50	0.054	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Cadmium	ND		0.50	0.048	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Calcium	ND		500	36	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Chromium	ND		1.0	0.34	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Cobalt	ND		1.0	0.074	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Copper	ND		2.5	0.24	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Iron	ND		20	6.9	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Lead	ND		1.0	0.28	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Magnesium	ND		500	15	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Manganese	ND		1.5	0.26	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Nickel	ND		4.0	0.50	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Potassium	ND		500	36	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Selenium	ND		2.0	0.47	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Silver	0.126	J	1.0	0.081	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Sodium	ND		500	140	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Thallium	ND		2.0	0.40	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Vanadium	ND		5.0	0.82	mg/Kg		08/14/24 15:00	08/17/24 19:03	1
Zinc	ND		5.0	1.4	mg/Kg		08/14/24 15:00	08/17/24 19:03	1

Lab Sample ID: LCS 240-623354/2-A
Matrix: Solid
Analysis Batch: 623740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	948		mg/Kg		95	80 - 120
Antimony	100	93.4		mg/Kg		93	80 - 120
Arsenic	200	189		mg/Kg		94	80 - 120
Barium	200	180		mg/Kg		90	80 - 120
Beryllium	100	94.5		mg/Kg		94	80 - 120
Cadmium	100	89.1		mg/Kg		89	80 - 120
Calcium	5000	4630		mg/Kg		93	80 - 120
Chromium	100	89.8		mg/Kg		90	80 - 120
Cobalt	100	95.1		mg/Kg		95	80 - 120
Copper	100	89.1		mg/Kg		89	80 - 120
Iron	1000	930		mg/Kg		93	80 - 120
Lead	100	89.1		mg/Kg		89	80 - 120
Magnesium	5000	4640		mg/Kg		93	80 - 120
Manganese	100	87.4		mg/Kg		87	80 - 120
Nickel	100	97.6		mg/Kg		98	80 - 120
Potassium	5000	4710		mg/Kg		94	80 - 120
Selenium	200	179		mg/Kg		90	80 - 120
Silver	10.0	9.27		mg/Kg		93	80 - 120
Sodium	5000	4580		mg/Kg		92	80 - 120
Thallium	200	183		mg/Kg		91	80 - 120
Vanadium	100	94.9		mg/Kg		95	80 - 120

DRAFT

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

Lab Sample ID: LCS 240-623354/2-A
Matrix: Solid
Analysis Batch: 623740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	100	95.9		mg/Kg		96	80 - 120

Lab Sample ID: 180-178296-1 MS
Matrix: Solid
Analysis Batch: 623740

Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846
Prep Type: Total/NA
Prep Batch: 623354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7400		954	9470	4	mg/Kg	☼	218	75 - 125
Antimony	ND	F1	95.4	50.7	F1	mg/Kg	☼	53	75 - 125
Arsenic	5.2		191	171		mg/Kg	☼	87	75 - 125
Barium	48		191	211		mg/Kg	☼	86	75 - 125
Beryllium	0.13	J	95.4	82.3		mg/Kg	☼	86	75 - 125
Cadmium	0.17	J	95.4	78.5		mg/Kg	☼	82	75 - 125
Calcium	72000		4770	53800	4	mg/Kg	☼	-380	75 - 125
Chromium	11		95.4	89.5		mg/Kg	☼	83	75 - 125
Cobalt	6.2		95.4	99.0		mg/Kg	☼	97	75 - 125
Copper	25		95.4	109		mg/Kg	☼	88	75 - 125
Iron	17000		954	19000	4	mg/Kg	☼	216	75 - 125
Lead	11	F2	95.4	112		mg/Kg	☼	106	75 - 125
Magnesium	14000	F1	4770	12500	F1	mg/Kg	☼	-28	75 - 125
Manganese	360		95.4	427		mg/Kg	☼	75	75 - 125
Nickel	19		95.4	116		mg/Kg	☼	101	75 - 125
Potassium	780		4770	4970		mg/Kg	☼	88	75 - 125
Selenium	0.54	J	191	156		mg/Kg	☼	82	75 - 125
Silver	ND		9.54	8.14		mg/Kg	☼	85	75 - 125
Sodium	390	J	4770	4460		mg/Kg	☼	85	75 - 125
Thallium	0.50	J	191	170		mg/Kg	☼	89	75 - 125
Vanadium	12		95.4	94.7		mg/Kg	☼	87	75 - 125
Zinc	73		95.4	185		mg/Kg	☼	118	75 - 125

Lab Sample ID: 180-178296-1 MSD
Matrix: Solid
Analysis Batch: 623740

Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846
Prep Type: Total/NA
Prep Batch: 623354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7400		954	9860	4	mg/Kg	☼	260	75 - 125	4	20
Antimony	ND	F1	95.4	49.0	F1	mg/Kg	☼	51	75 - 125	3	20
Arsenic	5.2		191	171		mg/Kg	☼	87	75 - 125	0	20
Barium	48		191	215		mg/Kg	☼	87	75 - 125	2	20
Beryllium	0.13	J	95.4	82.4		mg/Kg	☼	86	75 - 125	0	20
Cadmium	0.17	J	95.4	78.0		mg/Kg	☼	82	75 - 125	1	20
Calcium	72000		4770	49800	4	mg/Kg	☼	-464	75 - 125	8	20
Chromium	11		95.4	89.7		mg/Kg	☼	83	75 - 125	0	20
Cobalt	6.2		95.4	98.6		mg/Kg	☼	97	75 - 125	0	20
Copper	25		95.4	110		mg/Kg	☼	89	75 - 125	0	20
Iron	17000		954	19200	4	mg/Kg	☼	231	75 - 125	1	20
Lead	11	F2	95.4	88.3	F2	mg/Kg	☼	81	75 - 125	24	20
Magnesium	14000	F1	4770	13100	F1	mg/Kg	☼	-17	75 - 125	4	20
Manganese	360		95.4	465		mg/Kg	☼	115	75 - 125	9	20

DRAFT

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

Lab Sample ID: 180-178296-1 MSD — **Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623740 — **Prep Batch: 623354**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	19		95.4	117		mg/Kg	☼	102	75 - 125	1	20
Potassium	780		4770	5080		mg/Kg	☼	90	75 - 125	2	20
Selenium	0.54	J	191	155		mg/Kg	☼	81	75 - 125	1	20
Silver	ND		9.54	8.18		mg/Kg	☼	86	75 - 125	0	20
Sodium	390	J	4770	4480		mg/Kg	☼	86	75 - 125	0	20
Thallium	0.50	J	191	168		mg/Kg	☼	88	75 - 125	1	20
Vanadium	12		95.4	96.9		mg/Kg	☼	89	75 - 125	2	20
Zinc	73		95.4	177		mg/Kg	☼	109	75 - 125	5	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-623357/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623526 — **Prep Batch: 623357**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		08/14/24 15:00	08/15/24 12:05	1

Lab Sample ID: LCS 240-623357/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623526 — **Prep Batch: 623357**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.833	0.763		mg/Kg		92	80 - 120

Lab Sample ID: 180-178296-1 MS — **Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623526 — **Prep Batch: 623357**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.081	J F1	0.178	0.266		mg/Kg	☼	104	80 - 120

Lab Sample ID: 180-178296-1 MSD — **Client Sample ID: SSHS-SPA4-B5503-ELEV-848-846**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623526 — **Prep Batch: 623357**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.081	J F1	0.178	0.307	F1	mg/Kg	☼	127	80 - 120	14	20

Method: Moisture - Percent Moisture

Lab Sample ID: 180-178296-4 DU — **Client Sample ID: SSHS-SPA4-B5502-ELEV-848-846**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623189

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	89.2		89.3		%		0.2	20
Percent Moisture	10.8		10.7		%		1	20

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Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 180-178296-13 DU
Client Sample ID: SSHS-SPA4-B5506-ELEV-836-834
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 623189

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	79.0			87.0		%				10	20
Percent Moisture	21.0			13.0	F3	%				47	20

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GC/MS VOA

Analysis Batch: 476505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	EPA 8260D	476545
MB 180-476505/6	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-476505/4	Lab Control Sample	Total/NA	Solid	EPA 8260D	
LCSD 180-476505/23	Lab Control Sample Dup	Total/NA	Solid	EPA 8260D	

Prep Batch: 476545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	5035	

Prep Batch: 476925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	5035	

Analysis Batch: 476979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	EPA 8260D	476925
MB 180-476979/8	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-476979/4	Lab Control Sample	Total/NA	Solid	EPA 8260D	
LCSD 180-476979/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260D	

GC/MS Semi VOA

Prep Batch: 476683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	3541	
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	3541	
MB 180-476683/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-476683/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 476737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	EPA 8270E	476683
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	EPA 8270E	476683
MB 180-476683/1-A	Method Blank	Total/NA	Solid	EPA 8270E	476683
LCS 180-476683/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	476683

GC Semi VOA

Prep Batch: 476827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-14	SSHS-SPA4-B5505-ELEV-834-832	Total/NA	Solid	3541	
MB 180-476827/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-476827/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-178296-14 MS	SSHS-SPA4-B5505-ELEV-834-832	Total/NA	Solid	3541	
180-178296-14 MSD	SSHS-SPA4-B5505-ELEV-834-832	Total/NA	Solid	3541	

Analysis Batch: 476864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-14	SSHS-SPA4-B5505-ELEV-834-832	Total/NA	Solid	EPA 8082A	476827
LCS 180-476827/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	476827
180-178296-14 MS	SSHS-SPA4-B5505-ELEV-834-832	Total/NA	Solid	EPA 8082A	476827
180-178296-14 MSD	SSHS-SPA4-B5505-ELEV-834-832	Total/NA	Solid	EPA 8082A	476827

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GC Semi VOA

Analysis Batch: 477488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-476827/1-A	Method Blank	Total/NA	Solid	EPA 8082A	476827

Metals

Prep Batch: 623354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-1	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	3050B	
180-178296-2	SSHS-SPA4-B5503-ELEV-846-844	Total/NA	Solid	3050B	
180-178296-3	SSHS-SPA4-B5503-ELEV-844-842	Total/NA	Solid	3050B	
180-178296-4	SSHS-SPA4-B5502-ELEV-848-846	Total/NA	Solid	3050B	
180-178296-5	SSHS-SPA4-B5502-ELEV-846-844	Total/NA	Solid	3050B	
180-178296-6	SSHS-SPA4-DUP-01	Total/NA	Solid	3050B	
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	3050B	
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	3050B	
180-178296-9	SSHS-SPA4-B5502-ELEV-838-836	Total/NA	Solid	3050B	
180-178296-10	SSHS-SPA4-B5500-ELEV-850-848	Total/NA	Solid	3050B	
180-178296-11	SSHS-SPA4-B5504-ELEV-838-836	Total/NA	Solid	3050B	
180-178296-12	SSHS-SPA4-B5506-ELEV-838-836	Total/NA	Solid	3050B	
180-178296-13	SSHS-SPA4-B5506-ELEV-836-834	Total/NA	Solid	3050B	
MB 240-623354/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-623354/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-178296-1 MS	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	3050B	
180-178296-1 MSD	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	3050B	

Prep Batch: 623357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-1	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	7471B	
180-178296-2	SSHS-SPA4-B5503-ELEV-846-844	Total/NA	Solid	7471B	
180-178296-3	SSHS-SPA4-B5503-ELEV-844-842	Total/NA	Solid	7471B	
180-178296-4	SSHS-SPA4-B5502-ELEV-848-846	Total/NA	Solid	7471B	
180-178296-5	SSHS-SPA4-B5502-ELEV-846-844	Total/NA	Solid	7471B	
180-178296-6	SSHS-SPA4-DUP-01	Total/NA	Solid	7471B	
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	7471B	
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	7471B	
180-178296-9	SSHS-SPA4-B5502-ELEV-838-836	Total/NA	Solid	7471B	
180-178296-10	SSHS-SPA4-B5500-ELEV-850-848	Total/NA	Solid	7471B	
180-178296-11	SSHS-SPA4-B5504-ELEV-838-836	Total/NA	Solid	7471B	
180-178296-12	SSHS-SPA4-B5506-ELEV-838-836	Total/NA	Solid	7471B	
180-178296-13	SSHS-SPA4-B5506-ELEV-836-834	Total/NA	Solid	7471B	
MB 240-623357/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-623357/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-178296-1 MS	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	7471B	
180-178296-1 MSD	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	7471B	

Analysis Batch: 623526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-1	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	7471B	623357
180-178296-2	SSHS-SPA4-B5503-ELEV-846-844	Total/NA	Solid	7471B	623357
180-178296-3	SSHS-SPA4-B5503-ELEV-844-842	Total/NA	Solid	7471B	623357
180-178296-4	SSHS-SPA4-B5502-ELEV-848-846	Total/NA	Solid	7471B	623357
180-178296-5	SSHS-SPA4-B5502-ELEV-846-844	Total/NA	Solid	7471B	623357

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Metals (Continued)

Analysis Batch: 623526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-6	SSHS-SPA4-DUP-01	Total/NA	Solid	7471B	623357
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	7471B	623357
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	7471B	623357
180-178296-9	SSHS-SPA4-B5502-ELEV-838-836	Total/NA	Solid	7471B	623357
180-178296-10	SSHS-SPA4-B5500-ELEV-850-848	Total/NA	Solid	7471B	623357
180-178296-11	SSHS-SPA4-B5504-ELEV-838-836	Total/NA	Solid	7471B	623357
180-178296-12	SSHS-SPA4-B5506-ELEV-838-836	Total/NA	Solid	7471B	623357
180-178296-13	SSHS-SPA4-B5506-ELEV-836-834	Total/NA	Solid	7471B	623357
MB 240-623357/1-A	Method Blank	Total/NA	Solid	7471B	623357
LCS 240-623357/2-A	Lab Control Sample	Total/NA	Solid	7471B	623357
180-178296-1 MS	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	7471B	623357
180-178296-1 MSD	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	7471B	623357

Analysis Batch: 623740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-1	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	6010D	623354
180-178296-2	SSHS-SPA4-B5503-ELEV-846-844	Total/NA	Solid	6010D	623354
180-178296-3	SSHS-SPA4-B5503-ELEV-844-842	Total/NA	Solid	6010D	623354
180-178296-4	SSHS-SPA4-B5502-ELEV-848-846	Total/NA	Solid	6010D	623354
180-178296-5	SSHS-SPA4-B5502-ELEV-846-844	Total/NA	Solid	6010D	623354
180-178296-6	SSHS-SPA4-DUP-01	Total/NA	Solid	6010D	623354
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	6010D	623354
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	6010D	623354
180-178296-9	SSHS-SPA4-B5502-ELEV-838-836	Total/NA	Solid	6010D	623354
180-178296-10	SSHS-SPA4-B5500-ELEV-850-848	Total/NA	Solid	6010D	623354
180-178296-11	SSHS-SPA4-B5504-ELEV-838-836	Total/NA	Solid	6010D	623354
180-178296-12	SSHS-SPA4-B5506-ELEV-838-836	Total/NA	Solid	6010D	623354
180-178296-13	SSHS-SPA4-B5506-ELEV-836-834	Total/NA	Solid	6010D	623354
MB 240-623354/1-A	Method Blank	Total/NA	Solid	6010D	623354
LCS 240-623354/2-A	Lab Control Sample	Total/NA	Solid	6010D	623354
180-178296-1 MS	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	6010D	623354
180-178296-1 MSD	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	6010D	623354

Analysis Batch: 623780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-2	SSHS-SPA4-B5503-ELEV-846-844	Total/NA	Solid	6010D	623354
180-178296-9	SSHS-SPA4-B5502-ELEV-838-836	Total/NA	Solid	6010D	623354

General Chemistry

Analysis Batch: 476667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-14	SSHS-SPA4-B5505-ELEV-834-832	Total/NA	Solid	2540G	

Analysis Batch: 623189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-1	SSHS-SPA4-B5503-ELEV-848-846	Total/NA	Solid	Moisture	
180-178296-2	SSHS-SPA4-B5503-ELEV-846-844	Total/NA	Solid	Moisture	
180-178296-3	SSHS-SPA4-B5503-ELEV-844-842	Total/NA	Solid	Moisture	
180-178296-4	SSHS-SPA4-B5502-ELEV-848-846	Total/NA	Solid	Moisture	
180-178296-5	SSHS-SPA4-B5502-ELEV-846-844	Total/NA	Solid	Moisture	

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General Chemistry (Continued)

Analysis Batch: 623189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178296-6	SSHS-SPA4-DUP-01	Total/NA	Solid	Moisture	
180-178296-7	SSHS-SPA4-B5502-ELEV-844-842	Total/NA	Solid	Moisture	
180-178296-8	SSHS-SPA4-B5502-ELEV-840-838	Total/NA	Solid	Moisture	
180-178296-9	SSHS-SPA4-B5502-ELEV-838-836	Total/NA	Solid	Moisture	
180-178296-10	SSHS-SPA4-B5500-ELEV-850-848	Total/NA	Solid	Moisture	
180-178296-11	SSHS-SPA4-B5504-ELEV-838-836	Total/NA	Solid	Moisture	
180-178296-12	SSHS-SPA4-B5506-ELEV-838-836	Total/NA	Solid	Moisture	
180-178296-13	SSHS-SPA4-B5506-ELEV-836-834	Total/NA	Solid	Moisture	
180-178296-4 DU	SSHS-SPA4-B5502-ELEV-848-846	Total/NA	Solid	Moisture	
180-178296-13 DU	SSHS-SPA4-B5506-ELEV-836-834	Total/NA	Solid	Moisture	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins

180-178296 Chain of Custody

656.1

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com
Company: Geosyntec Consultants, Inc.		Analys
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044		
Phone: 40-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site	Project #: 18013464	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	1633 - PFAS - 40 analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N		
SSHS-SPA4-B5503-ELEV-848-846	8/12/24	1050	C	Solid	N	Y				X		4	
SSHS-SPA4-B5503-ELEV-846-844	8/12/24	1100	C	Solid	N	N				X		2	
SSHS-SPA4-B5503-ELEV-844-842	8/12/24	1105	C	Solid	N	N				X		2	
SSHS-SPA4-B5502-ELEV-848-846	8/12/24	1155	C	Solid	N	N				X		2	
SSHS-SPA4-B5502-ELEV-846-844	8/12/24	1159	C	Solid	N	N				X		2	
SSHS-SPA4-DUP-01	8/12/24	--	C	Solid	N	N				X		2	
SSHS-SPA4-B5502-ELEV-844-842	8/12/24	1208	C	Solid	N	N	X	X		X		7	
SSHS-SPA4-B5502-ELEV-840-838	8/12/24	1218	C	Solid	N	N	X	X		X		7	
SSHS-SPA4-B5502-ELEV-838-836	8/12/24	1230	C	Solid	N	N				X		2	
SSHS-SPA4-B5500-ELEV-838-836	8/12/24	1250	C	Solid	N	N				X		2	
SSHS-SPA4-B5504-ELEV-838-836	8/12/24	1350	C	Solid	N	N				X			
SSHS-SPA4-B5506-ELEV-838-836	8/12/24	1447	C	Solid	N	N				X			

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time.	Method of Shipment:

Relinquished by:	Date/Time: 8/12/24 1600	Company: Geosyntec	Received by:	Date/Time: 8/13/24 0900	Company: ETTNE
Relinquished by:	Date/Time.	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044		
Phone: 40-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site	Project #: 18013464	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5506-ELEV-836-834	8/12/24	1455	C	Solid	N	N				X	2	
SSHS-SPA4-B5505-ELEV-834-832	8/12/24	1550	C	Solid	N	N			X		2	

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MS

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time: 8/12/24 1600	Company: Geosyntec	Received by:	Date/Time: 8/13/24 0900	Company: EPTMS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

8/15/2024

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

1-1-10

South Portion A4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	1633 - PFAS - 40 analytes									Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N										
SSHS-SPA4-B5503-ELEV-848-846	8/12/24	1050	C	Solid	N	Y				X										4	
SSHS-SPA4-B5503-ELEV-846-844	8/12/24	1100	C	Solid	N	N				X										2	
SSHS-SPA4-B5503-ELEV-844-842	8/12/24	1105	C	Solid	N	N				X										2	
SSHS-SPA4-B5502-ELEV-848-846	8/12/24	1155	C	Solid	N	N				X										2	
SSHS-SPA4-B5502-ELEV-846-844	8/12/24	1159	C	Solid	N	N				X										2	
SSHS-SPA4-DUP-01	8/12/24	–	C	Solid	N	N				X										2	
SSHS-SPA4-B5502-ELEV-844-842	8/12/24	1208	C	Solid	N	N	X	X		X										7	
SSHS-SPA4-B5502-ELEV-840-838	8/12/24	1218	C	Solid	N	N	X	X		X										7	
SSHS-SPA4-B5502-ELEV-838-836	8/12/24	1230	C	Solid	N	N				X										2	
SSHS-SPA4-B5500-ELEV-838-836	8/12/24	1250	C	Solid	N	N				X										2	
SSHS-SPA4-B5504-ELEV-838-836	8/12/24	1350	C	Solid	N	N				X											
SSHS-SPA4-B5506-ELEV-838-836	8/12/24	1447	C	Solid	N	N				X											

180-178296 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Miranda Fahr	8/12/24 1600		Tristan Fritzen	8-13-24 9:00am	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg										Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N											
SSHS-SPA4-B5506-ELEV-836-834	8/12/24	1455	C	Solid	N	N				X										2	
SSHS-SPA4-B5505-ELEV-834-832	8/12/24	1550	C	Solid	N	N			X											2	

Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Miranda Fitch	8/12/24 1600	Company: Geosyntec	Tristan Fitzgerald	8-13-24 9:00am	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

8/26/2024

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Geosyntec Consultants Site Name _____ Cooler unpacked by: TF

Cooler Received on 8-13 24 Opened on 8-13 24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # Euro Foam Box Client Cooler Box Other _____

Packing material used. (Bubble Wrap) Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. 1.1 °C Corrected Cooler Temp. 1.0 °C

2.	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No
	-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)
	-Were tamper/custody seals intact and uncompromised?	Yes No (NA)
3	Shippers' packing slip attached to the cooler(s)?	(Yes) No
4.	Did custody papers accompany the sample(s)?	(Yes) No
5	Were the custody papers relinquished & signed in the appropriate place?	(Yes) No
6.	Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No
7	Did all bottles arrive in good condition (Unbroken)?	(Yes) No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	
10	Were correct bottle(s) used for the test(s) indicated?	(Yes) No
11	Sufficient quantity received to perform indicated analyses?	(Yes) No
12	Are these work share samples and all listed on the COC?	Yes (No)
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No (NA) pH Strip Lot# HC442471
14	Were VOAs on the COC?	Yes (No)
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No (NA)
16.	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes (No)
17	Was a LL Hg or Me Hg trip blank present? _____	Yes (No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

Missing Sample SSHS-SPAH-B5505-E1EV-834-832

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-178296-1

Login Number: 178296
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 8/27/2024 2:06:18 PM

JOB DESCRIPTION

Former Sperry Remington-South Portion

JOB NUMBER

180-178374-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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8/27/2024 2:06:18 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job Narrative
180-178374-1

Comments
The container labels for the following samples did not match the Chain-of-Custody (COC):
The COC has SSHS-SPA4-B5530-SUB-0.17-2 (180-178374-11), but the labels had SSHS-SPA4-B5530-ELEV-0.2-2
The COC has SSHS-SPA4-B5518-SUB-0-0.17 (180-178374-12), but the labels had SSHS-SPA4-B5518-ELEV-0-0.2
The COC has SSHS-SPA4-B5522-SUB-0-0.17 (180-178374-15), but the labels had SSHS-SPA4-B5522-ELEV-0-0.2
The COC has SSHS-SPA4-B5523-SUB-0-0.17 (180-178374-16), but the labels had SSHS-SPA4-B5523-ELEV-0-0.2
As discussed with the sampler, the IDs on the COC were to be used.

Receipt
The samples were received on 8/14/2024 at the Eurofins Pittsburgh, PA and Cleveland (Barberton), OH laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2º C and 3.2º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-476735 was below criteria for the following analytes: Bromomethane, Trichlorofluoromethane, Chlorodibromomethane, 4-Methyl-2-pentanone, 1,2-Dibromo-3-Chloropropane, and Acetone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-476735 was above criteria for the following analyte: Chloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270E: The recovery of surrogate 2,4,6-Tribromophenol for the following sample was slightly below the control limits: SSHS-SPA4-B5527-ELEV-846-844 (180-178374-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 180-476940 recovered slightly below the control limits for the following analyte: Carbazole. This is not indicative of a systematic control problem because this was a random marginal exceedance. Qualified results have been reported.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-477004 was above criteria for the following analytes: Benzaldehyde and N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-477015 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-octyl-phthalate, and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA
Method 8082A: The internal standard PCB-205 was above criteria on column RTX-CLP1 for the following sample: SSHS-SPA4-B5523-SUB-0-0.17 (180-178374-16). Associated results were reported from column RTX-CLP2 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-476864 (CCVIS 180-476864/70) was below criteria for aroclor 1016 on column RTX-CLP1. Aroclor 1016 was not detected in the associated samples on either column.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-476864 (CCVIS 180-476864/70) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-476995 (CCVIS 180-476995/47) was below criteria for aroclor 1016 on column RTX-CLP1. Aroclor 1016 was not detected in the associated samples on either column.

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Job ID: 180-178374-1 (Continued) Eurofins Pittsburgh

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-476995 (CCVIS 180-476995/47) was above criteria for aroclor 1260 on column RTX-CLP1. Aroclor 1260 was not detected in the associated samples on either column.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-47695 (CCVIS 180-476995/47) was above criteria for surrogate decachlorobiphenyl on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

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

Metals

Method 6010D: The following sample was diluted to bring the concentration of manganese within the instrument's calibration range: SSHS-SPA4-B5527-ELEV-846-844 (180-178374-3). Elevated reporting limits (RLs) are provided. Arsenic, chromium, selenium, and thallium were also reported from dilution due to inter-element corrections associated with manganese.

Method 6010D: The following sample was diluted to bring the concentration of calcium within the instrument's calibration range: SSHS-SPA4-B5527-ELEV-844-842 (180-178374-5). Elevated reporting limits (RLs) are provided.

Method 6010D: The following sample was diluted to bring the concentration of copper within the instrument's calibration range: SSHS-SPA4-B5516-ELEV-848-846 (180-178374-14). Elevated reporting limits (RLs) are provided. Lead was also reported from dilution due to inter-element corrections associated with copper.

Method 6010D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-SPA4-B5507-ELEV-834-832 (180-178374-1) had the recoveries of antimony and manganese below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

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

General Chemistry

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

DRAFT

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260D	5035	Solid	1,2-Dichloroethene, Total

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-178374-1	SSHS-SPA4-B5507-ELEV-834-832	Solid	08/13/24 08:40	08/14/24 09:05
180-178374-2	SSHS-SPA4-B5527-ELEV-848-846	Solid	08/13/24 09:15	08/14/24 09:05
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Solid	08/13/24 09:20	08/14/24 09:05
180-178374-4	SSHS-SPA4-DUP-05	Solid	08/13/24 00:00	08/14/24 09:05
180-178374-5	SSHS-SPA4-B5527-ELEV-844-842	Solid	08/13/24 09:35	08/14/24 09:05
180-178374-6	SSHS-SPA4-B5110A-ELEV-834-832	Solid	08/13/24 10:11	08/14/24 09:05
180-178374-7	SSHS-SPA4-B5526-ELEV-844-842	Solid	08/13/24 10:45	08/14/24 09:05
180-178374-8	SSHS-SPA4-B5510-ELEV-852-850	Solid	08/13/24 11:30	08/14/24 09:05
180-178374-9	SSHS-SPA4-B5511-ELEV-838-836	Solid	08/13/24 12:30	08/14/24 09:05
180-178374-10	SSHS-SPA4-B5511-ELEV-836-834	Solid	08/13/24 12:35	08/14/24 09:05
180-178374-11	SSHS-SPA4-B5530-SUB-0.17-2	Solid	08/13/24 14:05	08/14/24 09:05
180-178374-12	SSHS-SPA4-B5518-SUB-0-0.17	Solid	08/13/24 14:25	08/14/24 09:05
180-178374-13	SSHS-SPA4-B5516-ELEV-850-848	Solid	08/13/24 14:29	08/14/24 09:05
180-178374-14	SSHS-SPA4-B5516-ELEV-848-846	Solid	08/13/24 14:35	08/14/24 09:05
180-178374-15	SSHS-SPA4-B5522-SUB-0-0.17	Solid	08/13/24 14:40	08/14/24 09:05
180-178374-16	SSHS-SPA4-B5523-SUB-0-0.17	Solid	08/13/24 14:49	08/14/24 09:05
180-178374-17	SSHS-SPA4-B5512-ELEV-852-850	Solid	08/13/24 15:00	08/14/24 09:05
180-178374-18	SSHS-SPA4-B5528-ELEV-848-846	Solid	08/13/24 15:30	08/14/24 09:05

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET CLE
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET CLE
3541	Automated Soxhlet Extraction	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5507-ELEV-834-832
Lab Sample ID: 180-178374-1
Date Collected: 08/13/24 08:40
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5507-ELEV-834-832
Lab Sample ID: 180-178374-1
Date Collected: 08/13/24 08:40
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 14:57	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.84 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:45	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: SSHS-SPA4-B5527-ELEV-848-846
Lab Sample ID: 180-178374-2
Date Collected: 08/13/24 09:15
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5527-ELEV-848-846
Lab Sample ID: 180-178374-2
Date Collected: 08/13/24 09:15
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:19	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.65 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:46	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: SSHS-SPA4-B5527-ELEV-846-844
Lab Sample ID: 180-178374-3
Date Collected: 08/13/24 09:20
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5527-ELEV-846-844
Lab Sample ID: 180-178374-3
Date Collected: 08/13/24 09:20
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4418 g	5 mL	476778	08/15/24 07:15	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	476735	08/15/24 13:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	476940	08/16/24 13:49	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477015	08/19/24 16:04	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3050B			1.39 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:23	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	3050B			1.39 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		5			623972	08/20/24 06:11	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.66 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:47	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: SSHS-SPA4-DUP-05
Lab Sample ID: 180-178374-4
Date Collected: 08/13/24 00:00
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-DUP-05
Lab Sample ID: 180-178374-4
Date Collected: 08/13/24 00:00
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5234 g	5 mL	476778	08/15/24 07:15	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	476735	08/15/24 13:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	476940	08/16/24 13:49	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477015	08/19/24 16:25	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3050B			1.30 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:36	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.67 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:48	RJR	EET PIT
	Instrument ID: HGY									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5527-ELEV-844-842
Lab Sample ID: 180-178374-5
Date Collected: 08/13/24 09:35
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5527-ELEV-844-842
Lab Sample ID: 180-178374-5
Date Collected: 08/13/24 09:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.48 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:40	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	3050B			1.48 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		2			623972	08/20/24 06:23	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.60 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:50	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: SSHS-SPA4-B5110A-ELEV-834-832
Lab Sample ID: 180-178374-6
Date Collected: 08/13/24 10:11
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5110A-ELEV-834-832
Lab Sample ID: 180-178374-6
Date Collected: 08/13/24 10:11
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	476940	08/16/24 13:49	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477015	08/19/24 16:47	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: SSHS-SPA4-B5526-ELEV-844-842
Lab Sample ID: 180-178374-7
Date Collected: 08/13/24 10:45
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5526-ELEV-844-842
Lab Sample ID: 180-178374-7
Date Collected: 08/13/24 10:45
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:45	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.72 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:51	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: SSHS-SPA4-B5510-ELEV-852-850
Lab Sample ID: 180-178374-8
Date Collected: 08/13/24 11:30
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5510-ELEV-852-850
Lab Sample ID: 180-178374-8
Date Collected: 08/13/24 11:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	476827	08/15/24 15:10	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	476864	08/17/24 06:00	JMO	EET PIT
	Instrument ID: CHGC8									

Client Sample ID: SSHS-SPA4-B5511-ELEV-838-836
Lab Sample ID: 180-178374-9
Date Collected: 08/13/24 12:30
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5511-ELEV-838-836
Lab Sample ID: 180-178374-9
Date Collected: 08/13/24 12:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	5.0 mL	476940	08/16/24 13:49	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477015	08/19/24 17:09	VVP	EET PIT
	Instrument ID: CH731									

DRAFT

Client Sample ID: SSHS-SPA4-B5511-ELEV-836-834
Lab Sample ID: 180-178374-10
Date Collected: 08/13/24 12:35
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5511-ELEV-836-834
Lab Sample ID: 180-178374-10
Date Collected: 08/13/24 12:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	476940	08/16/24 13:49	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477015	08/19/24 17:30	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: SSHS-SPA4-B5530-SUB-0.17-2
Lab Sample ID: 180-178374-11
Date Collected: 08/13/24 14:05
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5530-SUB-0.17-2
Lab Sample ID: 180-178374-11
Date Collected: 08/13/24 14:05
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:49	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.64 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:52	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: SSHS-SPA4-B5518-SUB-0-0.17
Lab Sample ID: 180-178374-12
Date Collected: 08/13/24 14:25
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

DRAFT

Client Sample ID: SSHS-SPA4-B5518-SUB-0-0.17
Lab Sample ID: 180-178374-12
Date Collected: 08/13/24 14:25
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	476827	08/15/24 15:10	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	476864	08/17/24 06:54	JMO	EET PIT
	Instrument ID: CHGC8									

Client Sample ID: SSHS-SPA4-B5516-ELEV-850-848
Lab Sample ID: 180-178374-13
Date Collected: 08/13/24 14:29
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5516-ELEV-850-848
Lab Sample ID: 180-178374-13
Date Collected: 08/13/24 14:29
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.40 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:53	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.63 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:53	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: SSHS-SPA4-B5516-ELEV-848-846
Lab Sample ID: 180-178374-14
Date Collected: 08/13/24 14:35
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5516-ELEV-848-846
Lab Sample ID: 180-178374-14
Date Collected: 08/13/24 14:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.30 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 15:58	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	3050B			1.30 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		20			623972	08/20/24 06:28	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.68 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:54	RJR	EET PIT
	Instrument ID: HGY									

DRAFT

Client Sample ID: SSHS-SPA4-B5522-SUB-0-0.17
Lab Sample ID: 180-178374-15
Date Collected: 08/13/24 14:40
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5522-SUB-0-0.17
Lab Sample ID: 180-178374-15
Date Collected: 08/13/24 14:40
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	476827	08/15/24 15:10	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	476864	08/17/24 07:12	JMO	EET PIT
	Instrument ID: CHGC8									

Client Sample ID: SSHS-SPA4-B5523-SUB-0-0.17
Lab Sample ID: 180-178374-16
Date Collected: 08/13/24 14:49
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5523-SUB-0-0.17
Lab Sample ID: 180-178374-16
Date Collected: 08/13/24 14:49
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	476827	08/15/24 15:10	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	476995	08/19/24 19:31	JMO	EET PIT
	Instrument ID: CHGC20									

Client Sample ID: SSHS-SPA4-B5512-ELEV-852-850
Lab Sample ID: 180-178374-17
Date Collected: 08/13/24 15:00
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5512-ELEV-852-850
Lab Sample ID: 180-178374-17
Date Collected: 08/13/24 15:00
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	476827	08/15/24 15:10	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	476864	08/17/24 07:48	JMO	EET PIT
	Instrument ID: CHGC8									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5528-ELEV-848-846
Lab Sample ID: 180-178374-18

Date Collected: 08/13/24 15:30
Matrix: Solid
Date Received: 08/14/24 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476785	08/15/24 10:56	JMA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5528-ELEV-848-846
Lab Sample ID: 180-178374-18

Date Collected: 08/13/24 15:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.08 g	100 mL	623537	08/15/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			623972	08/19/24 16:02	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.69 g	100 mL	477275	08/21/24 10:36	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			477389	08/22/24 08:58	RJR	EET PIT
	Instrument ID: HGY									

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET CLE

Batch Type: Prep

DEE = Dale Elshaw

Batch Type: Analysis

AJC = Alexander Colosi

Lab: EET PIT

Batch Type: Prep

DVC = Daniel Capodanno

PJJ = Patrick Journet

RJR = Ron Rosenbaum

Batch Type: Analysis

JMA = Justin Adametz

JMO = John Oravec

PJJ = Patrick Journet

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

DRAFT

Client Sample ID: SSHS-SPA4-B5507-ELEV-834-832
Lab Sample ID: 180-178374-1

Date Collected: 08/13/24 08:40
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 81.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5500		23	6.2	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Antimony	ND	F1	2.3	0.42	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Arsenic	8.0		1.8	0.37	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Barium	65		23	0.42	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Beryllium	0.17	J	0.58	0.063	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Cadmium	0.075	J	0.58	0.056	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Calcium	890		580	43	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Chromium	12		1.2	0.40	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Cobalt	3.3		1.2	0.086	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Copper	27		2.9	0.28	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Iron	23000		23	8.1	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Lead	7.1		1.2	0.33	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Magnesium	2000		580	18	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Manganese	350	F1	1.8	0.30	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Nickel	11		4.7	0.58	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Potassium	700		580	42	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Selenium	0.75	J	2.3	0.55	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Silver	ND		1.2	0.095	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Sodium	ND		580	170	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Thallium	ND		2.3	0.47	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Vanadium	11		5.8	0.96	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1
Zinc	43		5.8	1.6	mg/Kg	☼	08/15/24 15:00	08/19/24 14:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.029	0.019	mg/Kg	☼	08/21/24 10:36	08/22/24 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.4		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	81.6		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5527-ELEV-848-846
Lab Sample ID: 180-178374-2

Date Collected: 08/13/24 09:15
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800		23	6.1	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Antimony	ND		2.3	0.41	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Arsenic	8.0		1.7	0.36	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Barium	91		23	0.42	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Beryllium	0.39	J	0.57	0.062	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Cadmium	0.18	J	0.57	0.055	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Calcium	25000		570	42	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Chromium	15		1.1	0.39	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Cobalt	7.2		1.1	0.085	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Copper	35		2.9	0.27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Iron	19000		23	8.0	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Lead	33		1.1	0.32	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1

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Client Sample ID: SSHS-SPA4-B5527-ELEV-848-846
Lab Sample ID: 180-178374-2

Date Collected: 08/13/24 09:15
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.2

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4500		570	18	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Manganese	430		1.7	0.30	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Nickel	26		4.6	0.57	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Potassium	800		570	41	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Selenium	0.73	J	2.3	0.54	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Silver	ND		1.1	0.093	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Sodium	ND		570	160	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Thallium	0.48	J	2.3	0.46	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Vanadium	15		5.7	0.94	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1
Zinc	110		5.7	1.6	mg/Kg	☼	08/15/24 15:00	08/19/24 15:19	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.035	0.023	mg/Kg	☼	08/21/24 10:36	08/22/24 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.8		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	86.2		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5527-ELEV-846-844
Lab Sample ID: 180-178374-3

Date Collected: 08/13/24 09:20
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 83.1

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16	J	28	9.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Benzene	ND		5.5	3.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
2-Butanone (MEK)	ND		28	11	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Chlorobenzene	ND		5.5	3.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Chloromethane	ND		5.5	4.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
cis-1,2-Dichloroethene	ND		5.5	2.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Cyclohexane	ND		5.5	3.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,2-Dibromoethane	ND		5.5	2.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,2-Dichlorobenzene	ND		5.5	3.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,4-Dichlorobenzene	ND		5.5	3.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Dichlorodifluoromethane	ND		5.5	4.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,1-Dichloroethane	ND		5.5	2.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1

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Client Sample ID: SSHS-SPA4-B5527-ELEV-846-844
Lab Sample ID: 180-178374-3
Date Collected: 08/13/24 09:20
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 83.1

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.5	3.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,1-Dichloroethene	ND		5.5	4.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,2-Dichloropropane	ND		5.5	2.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Ethylbenzene	ND		5.5	4.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
2-Hexanone	ND		28	4.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Isopropylbenzene	ND		5.5	4.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Methylcyclohexane	ND		5.5	3.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
4-Methyl-2-pentanone (MIBK)	ND		28	3.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Methyl tert-butyl ether	ND		5.5	3.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
m-Xylene & p-Xylene	ND		5.5	4.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
o-Xylene	ND		5.5	3.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Styrene	ND		5.5	3.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,1,2,2-Tetrachloroethane	ND		5.5	4.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Tetrachloroethene	ND		5.5	4.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Toluene	ND		5.5	4.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
trans-1,2-Dichloroethene	ND		5.5	3.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,1,2-Trichloroethane	ND		5.5	2.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Trichloroethene	ND		5.5	3.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	5.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*08/15/24 07:15*	*08/15/24 13:24*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*08/15/24 07:15*	*08/15/24 13:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*08/15/24 07:15*	*08/15/24 13:24*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*08/15/24 07:15*	*08/15/24 13:24*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Acenaphthylene	ND		80	17	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Acetophenone	ND		800	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Anthracene	**30**	**J**	80	21	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Atrazine	ND		800	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Benzaldehyde	ND		800	49	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Benzo[a]anthracene	**79**	**J**	80	36	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Benzo[a]pyrene	**74**	**J**	80	35	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Benzo[b]fluoranthene	**82**		80	20	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Benzo[g,h,i]perylene	**83**		80	17	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Benzo[k]fluoranthene	**44**	**J**	80	24	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5527-ELEV-846-844
Lab Sample ID: 180-178374-3
Date Collected: 08/13/24 09:20
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 83.1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Bis(2-chloroethyl)ether	ND		80	25	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Butyl benzyl phthalate	ND		2000	270	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Carbazole	ND	*-	80	19	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Chrysene	**84**		80	44	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Dibenzofuran	ND		390	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Dimethyl phthalate	ND		800	440	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Di-n-butyl phthalate	ND		3900	830	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,6-Dinitrotoluene	ND		390	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
1,4-Dioxane	ND		800	250	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Fluoranthene	**150**		80	21	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Fluorene	ND		80	16	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Hexachlorocyclopentadiene	ND		390	110	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Indeno[1,2,3-cd]pyrene	**59**	**J**	80	40	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Isophorone	ND		390	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Naphthalene	**32**	**J**	80	16	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Nitrobenzene	ND		800	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1

DRAFT

Client Sample ID: SSHS-SPA4-B5527-ELEV-846-844
Lab Sample ID: 180-178374-3
Date Collected: 08/13/24 09:20
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 83.1

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		2000	640	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Phenanthrene	**65**	**J**	80	21	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Phenol	ND		390	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
Pyrene	**140**		80	28	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*08/16/24 13:49*	*08/19/24 16:04*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*08/16/24 13:49*	*08/19/24 16:04*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*08/16/24 13:49*	*08/19/24 16:04*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*08/16/24 13:49*	*08/19/24 16:04*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*08/16/24 13:49*	*08/19/24 16:04*	*1*
2,4,6-Tribromophenol (Surr)	*33*	*S1-*	*34 - 108*	*08/16/24 13:49*	*08/19/24 16:04*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		17	4.6	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Antimony	ND		1.7	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Arsenic	**13**		6.5	1.4	mg/Kg	☼	08/15/24 15:00	08/20/24 06:11	5
Barium	**190**		17	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Beryllium	**0.49**		0.43	0.047	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Cadmium	**0.14**	**J**	0.43	0.042	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Calcium	**7200**		430	32	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Chromium	**19**		4.3	1.5	mg/Kg	☼	08/15/24 15:00	08/20/24 06:11	5
Cobalt	**8.6**		0.87	0.064	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Copper	**49**		2.2	0.20	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Iron	**21000**		17	6.0	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Lead	**14**		0.87	0.24	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Magnesium	**3000**		430	13	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Manganese	**2900**		6.5	1.1	mg/Kg	☼	08/15/24 15:00	08/20/24 06:11	5
Nickel	**35**		3.5	0.43	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Potassium	**950**		430	31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Selenium	ND		8.7	2.0	mg/Kg	☼	08/15/24 15:00	08/20/24 06:11	5
Silver	**0.36**	**J B**	0.87	0.070	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Sodium	**240**	**J**	430	120	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Thallium	ND		8.7	1.7	mg/Kg	☼	08/15/24 15:00	08/20/24 06:11	5
Vanadium	**16**		4.3	0.71	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1
Zinc	**66**		4.3	1.2	mg/Kg	☼	08/15/24 15:00	08/19/24 15:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.036	0.023	mg/Kg	☼	08/21/24 10:36	08/22/24 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.9**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**83.1**		0.1	0.1	%			08/15/24 10:56	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-05
Lab Sample ID: 180-178374-4
Date Collected: 08/13/24 00:00
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19	J	25	9.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Benzene	ND		5.0	2.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
2-Butanone (MEK)	ND		25	9.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Chlorobenzene	ND		5.0	3.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Chloromethane	ND		5.0	4.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Cyclohexane	ND		5.0	3.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2-Dibromoethane	ND		5.0	2.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2-Dichlorobenzene	ND		5.0	2.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,4-Dichlorobenzene	ND		5.0	2.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Dichlorodifluoromethane	ND		5.0	4.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,1-Dichloroethane	ND		5.0	2.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2-Dichloroethane	ND		5.0	3.0	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,1-Dichloroethene	ND		5.0	3.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2-Dichloropropane	ND		5.0	2.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Ethylbenzene	ND		5.0	3.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
2-Hexanone	ND		25	4.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Isopropylbenzene	ND		5.0	3.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Methylcyclohexane	ND		5.0	3.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	2.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Methyl tert-butyl ether	ND		5.0	2.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
m-Xylene & p-Xylene	ND		5.0	3.9	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
o-Xylene	ND		5.0	3.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Styrene	ND		5.0	3.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Tetrachloroethene	ND		5.0	3.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Toluene	ND		5.0	3.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
trans-1,2-Dichloroethene	ND		5.0	3.1	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,1,2-Trichloroethane	ND		5.0	2.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-05
Lab Sample ID: 180-178374-4
Date Collected: 08/13/24 00:00
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	2.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	4.7	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	08/15/24 07:15	08/15/24 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*08/15/24 07:15*	*08/15/24 13:47*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*08/15/24 07:15*	*08/15/24 13:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*08/15/24 07:15*	*08/15/24 13:47*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*08/15/24 07:15*	*08/15/24 13:47*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Acenaphthylene	**44**	**J**	72	16	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Acetophenone	ND		720	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Anthracene	**70**	**J**	72	19	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Atrazine	ND		720	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Benzaldehyde	ND		720	45	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Benzo[a]anthracene	**180**		72	32	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Benzo[a]pyrene	**150**		72	31	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Benzo[b]fluoranthene	**190**		72	18	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Benzo[g,h,i]perylene	**170**		72	16	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Benzo[k]fluoranthene	**69**	**J**	72	22	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Bis(2-chloroethyl)ether	ND		72	22	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Bis(2-ethylhexyl) phthalate	**660**	**J**	3600	380	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Butyl benzyl phthalate	ND		1800	250	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Caprolactam	ND		1800	230	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Carbazole	**24**	**J *-**	72	17	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Chrysene	**190**		72	40	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Dibenzofuran	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
3,3'-Dichlorobenzidine	ND		360	330	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Dimethyl phthalate	ND		720	400	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Di-n-butyl phthalate	ND		3600	750	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-05
Lab Sample ID: 180-178374-4
Date Collected: 08/13/24 00:00
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
1,4-Dioxane	ND		720	230	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Fluoranthene	**380**		72	19	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Fluorene	**29**	**J**	72	14	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Hexachlorocyclopentadiene	ND		360	97	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Hexachloroethane	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Indeno[1,2,3-cd]pyrene	**130**		72	36	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Isophorone	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2-Methylnaphthalene	**25**	**J**	72	17	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2-Methylphenol	ND		360	100	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Naphthalene	**72**		72	14	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Nitrobenzene	ND		720	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Phenanthrene	**130**		72	19	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Phenol	ND		360	110	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
Pyrene	**370**		72	25	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,4,5-Trichlorophenol	ND		360	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*44 - 105*	*08/16/24 13:49*	*08/19/24 16:25*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*08/16/24 13:49*	*08/19/24 16:25*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 105*	*08/16/24 13:49*	*08/19/24 16:25*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*08/16/24 13:49*	*08/19/24 16:25*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*08/16/24 13:49*	*08/19/24 16:25*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*08/16/24 13:49*	*08/19/24 16:25*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		17	4.5	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Antimony	ND		1.7	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Arsenic	**6.6**		1.3	0.27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Barium	**88**		17	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Beryllium	**0.32**	**J**	0.43	0.046	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Cadmium	**0.15**	**J**	0.43	0.041	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Calcium	**17000**		430	31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1

DRAFT

Client Sample ID: SSHS-SPA4-DUP-05

Lab Sample ID: 180-178374-4

Date Collected: 08/13/24 00:00
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.5

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	21		0.85	0.29	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Cobalt	6.9		0.85	0.063	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Copper	48		2.1	0.20	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Iron	18000		17	5.9	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Lead	26		0.85	0.24	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Magnesium	4500		430	13	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Manganese	460		1.3	0.22	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Nickel	28		3.4	0.42	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Potassium	750		430	30	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Selenium	0.46	J	1.7	0.40	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Silver	ND		0.85	0.069	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Sodium	ND		430	120	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Thallium	ND		1.7	0.34	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Vanadium	14		4.3	0.70	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1
Zinc	82		4.3	1.2	mg/Kg	☼	08/15/24 15:00	08/19/24 15:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.033	0.021	mg/Kg	☼	08/21/24 10:36	08/22/24 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.5		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	90.5		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5527-ELEV-844-842

Lab Sample ID: 180-178374-5

Date Collected: 08/13/24 09:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		15	4.0	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Antimony	ND		1.5	0.27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Arsenic	9.7		1.1	0.24	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Barium	67		15	0.27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Beryllium	0.19	J	0.37	0.040	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Cadmium	0.16	J	0.37	0.036	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Calcium	47000		750	54	mg/Kg	☼	08/15/24 15:00	08/20/24 06:23	2
Chromium	16		0.75	0.26	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Cobalt	6.0		0.75	0.055	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Copper	27		1.9	0.18	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Iron	18000		15	5.2	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Lead	15		0.75	0.21	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Magnesium	4700		370	11	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Manganese	300		1.1	0.19	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Nickel	21		3.0	0.37	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Potassium	810		370	27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Selenium	0.66	J	1.5	0.35	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Silver	ND		0.75	0.060	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Sodium	240	J	370	110	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1

DRAFT

Client Sample ID: SSHS-SPA4-B5527-ELEV-844-842
Lab Sample ID: 180-178374-5
Date Collected: 08/13/24 09:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 90.7

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.38	J	1.5	0.30	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Vanadium	14		3.7	0.61	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1
Zinc	65		3.7	1.0	mg/Kg	☼	08/15/24 15:00	08/19/24 15:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.036	0.023	mg/Kg	☼	08/21/24 10:36	08/22/24 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.3		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	90.7		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5110A-ELEV-834-832
Lab Sample ID: 180-178374-6
Date Collected: 08/13/24 10:11
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 73.3

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		90	26	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Acenaphthylene	ND		90	20	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Acetophenone	ND		900	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Anthracene	ND		90	23	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Atrazine	ND		900	200	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Benzaldehyde	ND		900	56	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Benzo[a]anthracene	ND		90	41	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Benzo[a]pyrene	ND		90	39	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Benzo[b]fluoranthene	ND		90	22	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Benzo[g,h,i]perylene	ND		90	19	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Benzo[k]fluoranthene	ND		90	27	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
1,1'-Biphenyl	ND		440	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Bis(2-chloroethoxy)methane	ND		440	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Bis(2-chloroethyl)ether	ND		90	28	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Bis(2-ethylhexyl) phthalate	ND		4400	480	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
4-Bromophenyl phenyl ether	ND		440	190	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Butyl benzyl phthalate	ND		2200	310	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Caprolactam	ND		2300	290	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Carbazole	ND	*-	90	21	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
4-Chloroaniline	ND		440	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
4-Chloro-3-methylphenol	ND		440	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2-Chloronaphthalene	ND		90	21	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2-Chlorophenol	ND		440	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
4-Chlorophenyl phenyl ether	ND		440	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Chrysene	ND		90	50	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Dibenz(a,h)anthracene	ND		90	57	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Dibenzofuran	ND		440	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
3,3'-Dichlorobenzidine	ND		440	420	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,4-Dichlorophenol	ND		90	35	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Diethyl phthalate	ND		440	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,4-Dimethylphenol	ND		440	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5110A-ELEV-834-832
Lab Sample ID: 180-178374-6
Date Collected: 08/13/24 10:11
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 73.3

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		900	500	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Di-n-butyl phthalate	ND		4400	930	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
4,6-Dinitro-2-methylphenol	ND		2300	770	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,4-Dinitrophenol	ND		4400	2800	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,4-Dinitrotoluene	ND		440	270	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,6-Dinitrotoluene	ND		440	180	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Di-n-octyl phthalate	ND		440	260	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
1,4-Dioxane	ND		900	280	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Fluoranthene	ND		90	24	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Fluorene	ND		90	18	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Hexachlorobenzene	ND		90	32	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Hexachlorobutadiene	ND		90	26	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Hexachlorocyclopentadiene	ND		440	120	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Hexachloroethane	ND		440	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Indeno[1,2,3-cd]pyrene	ND		90	45	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Isophorone	ND		440	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2-Methylnaphthalene	ND		90	22	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2-Methylphenol	ND		440	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Methylphenol, 3 & 4	ND		440	130	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Naphthalene	ND		90	18	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
3-Nitroaniline	ND		2300	110	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
4-Nitroaniline	ND		2300	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Nitrobenzene	ND		900	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2-Nitrophenol	ND		440	170	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
4-Nitrophenol	ND		2300	320	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
N-Nitrosodi-n-propylamine	ND		90	30	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
N-Nitrosodiphenylamine	ND		440	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,2'-oxybis[1-chloropropane]	ND		90	33	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Pentachlorophenol	ND		2300	720	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Phenanthrene	ND		90	24	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Phenol	ND		440	140	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
Pyrene	ND		90	32	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
1,2,4,5-Tetrachlorobenzene	ND		440	180	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,3,4,6-Tetrachlorophenol	ND		440	190	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,4,5-Trichlorophenol	ND		440	160	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1
2,4,6-Trichlorophenol	ND		440	150	ug/Kg	☼	08/16/24 13:49	08/19/24 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*44 - 105*	*08/16/24 13:49*	*08/19/24 16:47*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*08/16/24 13:49*	*08/19/24 16:47*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*08/16/24 13:49*	*08/19/24 16:47*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*08/16/24 13:49*	*08/19/24 16:47*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*08/16/24 13:49*	*08/19/24 16:47*	*1*
2,4,6-Tribromophenol (Surr)	*101*		*34 - 108*	*08/16/24 13:49*	*08/19/24 16:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**26.7**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**73.3**		0.1	0.1	%			08/15/24 10:56	1

DRAFT

Client Sample ID: SSHS-SPA4-B5526-ELEV-844-842
Lab Sample ID: 180-178374-7

Date Collected: 08/13/24 10:45
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 85.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		21	5.7	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Antimony	ND		2.1	0.39	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Arsenic	**16**		1.6	0.34	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Barium	**92**		21	0.39	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Beryllium	**0.45**	**J**	0.54	0.058	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Cadmium	**0.22**	**J**	0.54	0.052	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Calcium	**34000**		540	39	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Chromium	**20**		1.1	0.37	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Cobalt	**5.9**		1.1	0.080	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Copper	**44**		2.7	0.25	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Iron	**22000**		21	7.5	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Lead	**64**		1.1	0.30	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Magnesium	**3100**		540	16	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Manganese	**360**		1.6	0.28	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Nickel	**43**		4.3	0.53	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Potassium	**610**		540	38	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Selenium	**1.7**	**J**	2.1	0.50	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Silver	ND		1.1	0.087	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Sodium	**270**	**J**	540	150	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Thallium	ND		2.1	0.43	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Vanadium	**16**		5.4	0.88	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1
Zinc	**73**		5.4	1.5	mg/Kg	☼	08/15/24 15:00	08/19/24 15:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.032	0.021	mg/Kg	☼	08/21/24 10:36	08/22/24 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.6**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**85.4**		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5510-ELEV-852-850
Lab Sample ID: 180-178374-8

Date Collected: 08/13/24 11:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1221	ND		19	6.6	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1232	ND		19	4.6	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1242	ND		19	2.7	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1248	ND		19	4.5	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1254	**150**		19	5.6	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1260	ND		19	5.3	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1262	ND		19	6.6	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/15/24 15:10	08/17/24 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*57 - 146*	*08/15/24 15:10*	*08/17/24 06:00*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*57 - 146*	*08/15/24 15:10*	*08/17/24 06:00*	*1*

DRAFT

Client Sample ID: SSHS-SPA4-B5510-ELEV-852-850
Lab Sample ID: 180-178374-8

Date Collected: 08/13/24 11:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*08/15/24 15:10*	*08/17/24 06:00*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*60 - 135*	*08/15/24 15:10*	*08/17/24 06:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.5**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**86.5**		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5511-ELEV-838-836
Lab Sample ID: 180-178374-9

Date Collected: 08/13/24 12:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 80.8

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Acenaphthylene	ND		80	17	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Acetophenone	ND		800	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Anthracene	ND		80	21	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Atrazine	ND		800	170	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Benzaldehyde	ND		800	50	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Benzo[a]anthracene	**49**	**J**	80	36	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Benzo[a]pyrene	**43**	**J**	80	35	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Benzo[b]fluoranthene	**40**	**J**	80	20	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Benzo[g,h,i]perylene	**37**	**J**	80	17	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Benzo[k]fluoranthene	**26**	**J**	80	24	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Bis(2-chloroethyl)ether	ND		80	25	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Butyl benzyl phthalate	ND		2000	270	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Carbazole	ND	*-	80	19	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
4-Chloroaniline	ND		400	100	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Chrysene	**71**	**J**	80	44	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Dibenzofuran	ND		400	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,4-Dimethylphenol	ND		400	130	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Dimethyl phthalate	ND		800	440	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Di-n-butyl phthalate	ND		4000	830	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1

DRAFT

Client Sample ID: SSHS-SPA4-B5511-ELEV-838-836
Lab Sample ID: 180-178374-9
Date Collected: 08/13/24 12:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 80.8

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
1,4-Dioxane	ND		800	250	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Fluoranthene	**83**		80	21	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Fluorene	ND		80	16	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Hexachlorocyclopentadiene	ND		400	110	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Hexachloroethane	ND		400	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Indeno[1,2,3-cd]pyrene	**41**	**J**	80	40	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Isophorone	ND		400	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2-Methylnaphthalene	**590**		80	19	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2-Methylphenol	ND		400	110	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Naphthalene	**420**		80	16	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Nitrobenzene	ND		800	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Phenanthrene	**260**		80	21	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Phenol	ND		400	120	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
Pyrene	**84**		80	28	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	08/16/24 13:49	08/19/24 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*08/16/24 13:49*	*08/19/24 17:09*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*08/16/24 13:49*	*08/19/24 17:09*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*08/16/24 13:49*	*08/19/24 17:09*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*08/16/24 13:49*	*08/19/24 17:09*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*08/16/24 13:49*	*08/19/24 17:09*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*08/16/24 13:49*	*08/19/24 17:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**19.2**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**80.8**		0.1	0.1	%			08/15/24 10:56	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5511-ELEV-836-834
Lab Sample ID: 180-178374-10
Date Collected: 08/13/24 12:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 78.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		84	24	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Acenaphthylene	ND		84	18	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Acetophenone	ND		840	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Anthracene	ND		84	22	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Atrazine	ND		840	180	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Benzaldehyde	ND		840	52	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Benzo[a]anthracene	ND		84	38	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Benzo[a]pyrene	ND		84	36	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Benzo[b]fluoranthene	ND		84	21	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Benzo[g,h,i]perylene	ND		84	18	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Benzo[k]fluoranthene	ND		84	25	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Bis(2-chloroethyl)ether	ND		84	26	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Bis(2-ethylhexyl) phthalate	ND		4100	450	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Butyl benzyl phthalate	ND		2100	290	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Caprolactam	ND		2100	270	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Carbazole	ND	*-	84	20	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Chrysene	ND		84	47	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Dibenz(a,h)anthracene	ND		84	54	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Dibenzofuran	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Dimethyl phthalate	ND		840	460	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Di-n-butyl phthalate	ND		4100	870	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
1,4-Dioxane	ND		840	260	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Fluoranthene	ND		84	22	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Fluorene	ND		84	16	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Hexachlorobutadiene	ND		84	25	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Hexachlorocyclopentadiene	ND		410	110	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Hexachloroethane	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Indeno[1,2,3-cd]pyrene	ND		84	42	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Isophorone	ND		410	160	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2-Methylnaphthalene	ND		84	20	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2-Methylphenol	ND		410	120	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1

DRAFT

Client Sample ID: SSHS-SPA4-B5511-ELEV-836-834
Lab Sample ID: 180-178374-10

Date Collected: 08/13/24 12:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 78.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Naphthalene	ND		84	16	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Nitrobenzene	ND		840	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Phenanthrene	ND		84	23	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Phenol	ND		410	130	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
Pyrene	ND		84	30	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
1,2,4,5-Tetrachlorobenzene	ND		410	170	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,4,5-Trichlorophenol	ND		410	150	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	08/16/24 13:49	08/19/24 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*08/16/24 13:49*	*08/19/24 17:30*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*08/16/24 13:49*	*08/19/24 17:30*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*08/16/24 13:49*	*08/19/24 17:30*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*08/16/24 13:49*	*08/19/24 17:30*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*08/16/24 13:49*	*08/19/24 17:30*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*34 - 108*	*08/16/24 13:49*	*08/19/24 17:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**21.5**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**78.5**		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5530-SUB-0.17-2
Lab Sample ID: 180-178374-11

Date Collected: 08/13/24 14:05
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7500**		23	6.1	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Antimony	ND		2.3	0.41	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Arsenic	**19**		1.7	0.36	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Barium	**120**		23	0.41	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Beryllium	**0.37**	**J**	0.57	0.062	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Cadmium	**4.5**		0.57	0.055	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Calcium	**14000**		570	42	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Chromium	**14**		1.1	0.39	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Cobalt	**11**		1.1	0.084	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Copper	**62**		2.9	0.27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Iron	**29000**		23	7.9	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1

DRAFT

Client Sample ID: SSHS-SPA4-B5530-SUB-0.17-2
Lab Sample ID: 180-178374-11

Date Collected: 08/13/24 14:05
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 86.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	98		1.1	0.32	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Magnesium	2800		570	17	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Manganese	410		1.7	0.30	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Nickel	45		4.6	0.57	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Potassium	790		570	41	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Selenium	1.0	J	2.3	0.54	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Silver	ND		1.1	0.092	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Sodium	ND		570	160	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Thallium	ND		2.3	0.46	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Vanadium	16		5.7	0.94	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1
Zinc	120		5.7	1.6	mg/Kg	☼	08/15/24 15:00	08/19/24 15:49	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.068		0.036	0.023	mg/Kg	☼	08/21/24 10:36	08/22/24 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.2		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	86.8		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5518-SUB-0-0.17
Lab Sample ID: 180-178374-12

Date Collected: 08/13/24 14:25
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 77.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.8	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1221	ND		21	7.4	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1232	ND		21	5.1	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1242	ND		21	3.1	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1248	ND		21	5.0	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1254	36		21	6.3	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1260	ND		21	6.0	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1262	ND		21	7.4	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1
PCB-1268	ND		21	2.8	ug/Kg	☼	08/15/24 15:10	08/17/24 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*	*08/15/24 15:10*	*08/17/24 06:54*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*57 - 146*	*08/15/24 15:10*	*08/17/24 06:54*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*08/15/24 15:10*	*08/17/24 06:54*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*60 - 135*	*08/15/24 15:10*	*08/17/24 06:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	22.2		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	77.8		0.1	0.1	%			08/15/24 10:56	1

DRAFT

Client Sample ID: SSHS-SPA4-B5516-ELEV-850-848

Lab Sample ID: 180-178374-13
Date Collected: 08/13/24 14:29
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 82.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		17	4.6	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Antimony	ND		1.7	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Arsenic	17		1.3	0.27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Barium	160		17	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Beryllium	0.74		0.43	0.047	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Cadmium	3.0		0.43	0.042	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Calcium	18000		430	32	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Chromium	13		0.86	0.30	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Cobalt	15		0.86	0.064	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Copper	34		2.2	0.20	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Iron	22000		17	6.0	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Lead	46		0.86	0.24	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Magnesium	2800		430	13	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Manganese	580		1.3	0.22	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Nickel	41		3.5	0.43	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Potassium	840		430	31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Selenium	1.4	J	1.7	0.41	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Silver	ND		0.86	0.070	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Sodium	ND		430	120	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Thallium	0.50	J	1.7	0.34	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Vanadium	16		4.3	0.71	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1
Zinc	150		4.3	1.2	mg/Kg	☼	08/15/24 15:00	08/19/24 15:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057		0.038	0.024	mg/Kg	☼	08/21/24 10:36	08/22/24 08:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.4		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	82.6		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5516-ELEV-848-846

Lab Sample ID: 180-178374-14
Date Collected: 08/13/24 14:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 89.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6700		17	4.6	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Antimony	ND		1.7	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Arsenic	20		1.3	0.27	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Barium	180		17	0.31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Beryllium	0.45		0.43	0.046	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Cadmium	1.3		0.43	0.041	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Calcium	20000		430	31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Chromium	15		0.86	0.29	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Cobalt	11		0.86	0.064	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Copper	5500		43	4.1	mg/Kg	☼	08/15/24 15:00	08/20/24 06:28	20
Iron	41000		17	6.0	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Lead	140		17	4.8	mg/Kg	☼	08/15/24 15:00	08/20/24 06:28	20

DRAFT

Client Sample ID: SSHS-SPA4-B5516-ELEV-848-846

Lab Sample ID: 180-178374-14

Date Collected: 08/13/24 14:35
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 89.6

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2500		430	13	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Manganese	510		1.3	0.22	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Nickel	50		3.4	0.43	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Potassium	530		430	31	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Selenium	0.86	J	1.7	0.40	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Silver	ND		0.86	0.070	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Sodium	120	J	430	120	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Thallium	0.43	J	1.7	0.34	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Vanadium	15		4.3	0.71	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1
Zinc	500		4.3	1.2	mg/Kg	☼	08/15/24 15:00	08/19/24 15:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.032	0.021	mg/Kg	☼	08/21/24 10:36	08/22/24 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.4		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	89.6		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5522-SUB-0-0.17

Lab Sample ID: 180-178374-15

Date Collected: 08/13/24 14:40
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 73.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	7.3	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1221	ND		22	7.9	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1232	ND		22	5.5	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1242	ND		22	3.3	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1248	ND		22	5.4	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1254	130		22	6.7	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1260	ND		22	6.4	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1262	ND		22	7.9	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1
PCB-1268	ND		22	3.0	ug/Kg	☼	08/15/24 15:10	08/17/24 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*57 - 146*	*08/15/24 15:10*	*08/17/24 07:12*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*	*08/15/24 15:10*	*08/17/24 07:12*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*60 - 135*	*08/15/24 15:10*	*08/17/24 07:12*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*60 - 135*	*08/15/24 15:10*	*08/17/24 07:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	26.6		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	73.4		0.1	0.1	%			08/15/24 10:56	1

DRAFT

Client Sample ID: SSHS-SPA4-B5523-SUB-0-0.17
Lab Sample ID: 180-178374-16

Date Collected: 08/13/24 14:49
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 80.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.7	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1221	ND		20	7.3	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1232	ND		20	5.0	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1242	ND		20	3.0	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1248	ND		20	4.9	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1254	**120**		20	6.1	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1260	ND		20	5.8	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1262	ND		20	7.2	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1
PCB-1268	ND		20	2.8	ug/Kg	☼	08/15/24 15:10	08/19/24 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*	**3*	*57 - 146*	*08/15/24 15:10*	*08/19/24 19:31*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*57 - 146*	*08/15/24 15:10*	*08/19/24 19:31*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*60 - 135*	*08/15/24 15:10*	*08/19/24 19:31*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*60 - 135*	*08/15/24 15:10*	*08/19/24 19:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**19.2**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**80.8**		0.1	0.1	%			08/15/24 10:56	1

Client Sample ID: SSHS-SPA4-B5512-ELEV-852-850
Lab Sample ID: 180-178374-17

Date Collected: 08/13/24 15:00
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 92.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1221	ND		18	6.3	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1232	ND		18	4.3	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1242	ND		18	2.6	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1248	**2000**		18	4.2	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1254	**1400**		18	5.3	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1260	**200**		18	5.0	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1262	ND		18	6.2	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/15/24 15:10	08/17/24 07:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*57 - 146*	*08/15/24 15:10*	*08/17/24 07:48*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*57 - 146*	*08/15/24 15:10*	*08/17/24 07:48*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*08/15/24 15:10*	*08/17/24 07:48*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*60 - 135*	*08/15/24 15:10*	*08/17/24 07:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.7**		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	**92.3**		0.1	0.1	%			08/15/24 10:56	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178374-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5528-ELEV-848-846
Lab Sample ID: 180-178374-18
Date Collected: 08/13/24 15:30
Matrix: Solid
Date Received: 08/14/24 09:05
Percent Solids: 87.1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		21	5.7	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Antimony	ND		2.1	0.38	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Arsenic	7.7		1.6	0.34	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Barium	58		21	0.38	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Beryllium	0.36	J	0.53	0.057	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Cadmium	0.071	J	0.53	0.051	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Calcium	27000		530	39	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Chromium	13		1.1	0.36	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Cobalt	11		1.1	0.079	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Copper	33		2.7	0.25	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Iron	20000		21	7.4	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Lead	14		1.1	0.30	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Magnesium	3300		530	16	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Manganese	430		1.6	0.28	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Nickel	20		4.3	0.53	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Potassium	740		530	38	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Selenium	ND		2.1	0.50	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Silver	ND		1.1	0.086	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Sodium	180	J	530	150	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Thallium	ND		2.1	0.42	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Vanadium	15		5.3	0.87	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1
Zinc	56		5.3	1.5	mg/Kg	☼	08/15/24 15:00	08/19/24 16:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.033	0.021	mg/Kg	☼	08/21/24 10:36	08/22/24 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.9		0.1	0.1	%			08/15/24 10:56	1
Percent Solids (SM22 2540G)	87.1		0.1	0.1	%			08/15/24 10:56	1

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-476735/7
Matrix: Solid
Analysis Batch: 476735

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	9.0	ug/Kg			08/15/24 10:40	1
Benzene	ND		5.0	2.9	ug/Kg			08/15/24 10:40	1
Bromoform	ND		5.0	2.5	ug/Kg			08/15/24 10:40	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/15/24 10:40	1
2-Butanone (MEK)	ND		25	9.8	ug/Kg			08/15/24 10:40	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/15/24 10:40	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/15/24 10:40	1
Chlorobenzene	ND		5.0	3.0	ug/Kg			08/15/24 10:40	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/15/24 10:40	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/15/24 10:40	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/15/24 10:40	1
Chloroform	ND		5.0	3.4	ug/Kg			08/15/24 10:40	1
Chloromethane	ND		5.0	4.0	ug/Kg			08/15/24 10:40	1
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/Kg			08/15/24 10:40	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/15/24 10:40	1
Cyclohexane	ND		5.0	3.4	ug/Kg			08/15/24 10:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/15/24 10:40	1
1,2-Dibromoethane	ND		5.0	2.6	ug/Kg			08/15/24 10:40	1
1,2-Dichlorobenzene	ND		5.0	2.9	ug/Kg			08/15/24 10:40	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/15/24 10:40	1
1,4-Dichlorobenzene	ND		5.0	2.8	ug/Kg			08/15/24 10:40	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/15/24 10:40	1
Dichlorodifluoromethane	ND		5.0	4.1	ug/Kg			08/15/24 10:40	1
1,1-Dichloroethane	ND		5.0	2.6	ug/Kg			08/15/24 10:40	1
1,2-Dichloroethane	ND		5.0	3.0	ug/Kg			08/15/24 10:40	1
1,1-Dichloroethene	ND		5.0	3.9	ug/Kg			08/15/24 10:40	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/15/24 10:40	1
1,2-Dichloropropane	ND		5.0	2.4	ug/Kg			08/15/24 10:40	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/15/24 10:40	1
Ethylbenzene	ND		5.0	3.8	ug/Kg			08/15/24 10:40	1
2-Hexanone	ND		25	4.2	ug/Kg			08/15/24 10:40	1
Isopropylbenzene	ND		5.0	3.8	ug/Kg			08/15/24 10:40	1
Methyl acetate	ND		25	7.4	ug/Kg			08/15/24 10:40	1
Methylcyclohexane	ND		5.0	3.5	ug/Kg			08/15/24 10:40	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/15/24 10:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	2.9	ug/Kg			08/15/24 10:40	1
Methyl tert-butyl ether	ND		5.0	2.9	ug/Kg			08/15/24 10:40	1
m-Xylene & p-Xylene	ND		5.0	3.9	ug/Kg			08/15/24 10:40	1
o-Xylene	ND		5.0	3.5	ug/Kg			08/15/24 10:40	1
Styrene	ND		5.0	3.3	ug/Kg			08/15/24 10:40	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.8	ug/Kg			08/15/24 10:40	1
Tetrachloroethene	ND		5.0	3.8	ug/Kg			08/15/24 10:40	1
Toluene	ND		5.0	3.8	ug/Kg			08/15/24 10:40	1
trans-1,2-Dichloroethene	ND		5.0	3.1	ug/Kg			08/15/24 10:40	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/15/24 10:40	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/15/24 10:40	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/15/24 10:40	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/15/24 10:40	1

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-476735/7
Matrix: Solid
Analysis Batch: 476735

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	2.6	ug/Kg			08/15/24 10:40	1
Trichloroethene	ND		5.0	2.7	ug/Kg			08/15/24 10:40	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/15/24 10:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	4.7	ug/Kg			08/15/24 10:40	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/15/24 10:40	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/15/24 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*		*08/15/24 10:40*	*1*
Dibromofluoromethane (Surr)	*82*		*69 - 126*		*08/15/24 10:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*		*08/15/24 10:40*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*		*08/15/24 10:40*	*1*

Lab Sample ID: LCS 180-476735/4
Matrix: Solid
Analysis Batch: 476735

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	39.5		ug/Kg		99	23 - 170
Benzene	40.0	36.0		ug/Kg		90	77 - 120
Bromoform	40.0	41.4		ug/Kg		103	37 - 147
Bromomethane	40.0	24.8		ug/Kg		62	47 - 149
2-Butanone (MEK)	40.0	36.0		ug/Kg		90	39 - 157
Carbon disulfide	40.0	41.0		ug/Kg		103	40 - 156
Carbon tetrachloride	40.0	37.7		ug/Kg		94	73 - 130
Chlorobenzene	40.0	36.4		ug/Kg		91	79 - 122
Chlorobromomethane	40.0	40.8		ug/Kg		102	64 - 128
Chlorodibromomethane	40.0	31.8		ug/Kg		80	60 - 134
Chloroethane	40.0	25.2		ug/Kg		63	37 - 159
Chloroform	40.0	37.8		ug/Kg		95	73 - 126
Chloromethane	40.0	37.7		ug/Kg		94	46 - 151
cis-1,2-Dichloroethene	40.0	37.8		ug/Kg		94	77 - 118
cis-1,3-Dichloropropene	40.0	40.7		ug/Kg		102	73 - 127
Cyclohexane	40.0	35.3		ug/Kg		88	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	31.1		ug/Kg		78	30 - 163
1,2-Dibromoethane	40.0	37.9		ug/Kg		95	59 - 137
1,2-Dichlorobenzene	40.0	37.0		ug/Kg		93	76 - 120
1,3-Dichlorobenzene	40.0	37.0		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	37.0		ug/Kg		92	79 - 120
Dichlorobromomethane	40.0	37.9		ug/Kg		95	75 - 123
Dichlorodifluoromethane	40.0	36.9		ug/Kg		92	26 - 149
1,1-Dichloroethane	40.0	36.9		ug/Kg		92	73 - 124
1,2-Dichloroethane	40.0	39.6		ug/Kg		99	64 - 140
1,1-Dichloroethene	40.0	38.6		ug/Kg		96	55 - 136
1,2-Dichloroethene, Total	80.0	75.4		ug/Kg		94	77 - 119
1,2-Dichloropropane	40.0	37.2		ug/Kg		93	77 - 119
1,4-Dioxane	800	922	J	ug/Kg		115	18 - 166
Ethylbenzene	40.0	36.2		ug/Kg		90	79 - 119

DRAFT

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-476735/4
Matrix: Solid
Analysis Batch: 476735

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	35.8		ug/Kg		89	42 - 152
Isopropylbenzene	40.0	37.2		ug/Kg		93	70 - 125
Methyl acetate	80.0	79.2		ug/Kg		99	20 - 170
Methylcyclohexane	40.0	35.9		ug/Kg		90	70 - 125
Methylene Chloride	40.0	36.7		ug/Kg		92	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	35.8		ug/Kg		89	51 - 147
Methyl tert-butyl ether	40.0	36.5		ug/Kg		91	58 - 132
m-Xylene & p-Xylene	40.0	36.1		ug/Kg		90	77 - 120
o-Xylene	40.0	37.7		ug/Kg		94	78 - 118
Styrene	40.0	37.3		ug/Kg		93	80 - 120
1,1,2,2-Tetrachloroethane	40.0	38.6		ug/Kg		96	36 - 170
Tetrachloroethene	40.0	36.2		ug/Kg		91	71 - 121
Toluene	40.0	36.2		ug/Kg		90	76 - 120
trans-1,2-Dichloroethene	40.0	37.6		ug/Kg		94	75 - 122
trans-1,3-Dichloropropene	40.0	34.4		ug/Kg		86	68 - 133
1,2,3-Trichlorobenzene	40.0	42.0		ug/Kg		105	29 - 166
1,2,4-Trichlorobenzene	40.0	41.9		ug/Kg		105	22 - 170
1,1,1-Trichloroethane	40.0	38.7		ug/Kg		97	72 - 134
1,1,2-Trichloroethane	40.0	37.1		ug/Kg		93	66 - 128
Trichloroethene	40.0	38.7		ug/Kg		97	69 - 118
Trichlorofluoromethane	40.0	29.6		ug/Kg		74	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	37.7		ug/Kg		94	59 - 135
Vinyl chloride	40.0	38.8		ug/Kg		97	64 - 134
Xylenes, Total	80.0	73.8		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

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

Lab Sample ID: MB 180-476940/1-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		34	9.6	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Acenaphthylene	ND		34	7.3	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Acetophenone	ND		340	60	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Anthracene	ND		34	8.7	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Atrazine	ND		340	73	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzaldehyde	ND		340	21	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[a]anthracene	ND		34	15	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[a]pyrene	ND		34	14	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[b]fluoranthene	ND		34	8.2	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[g,h,i]perylene	ND		34	7.2	ug/Kg		08/16/24 13:49	08/19/24 10:01	1

DRAFT

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

Lab Sample ID: MB 180-476940/1-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		34	10	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
1,1'-Biphenyl	ND		170	61	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Bis(2-chloroethoxy)methane	ND		170	61	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Bis(2-chloroethyl)ether	ND		34	10	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Bis(2-ethylhexyl) phthalate	ND		1700	180	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Bromophenyl phenyl ether	ND		170	71	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Butyl benzyl phthalate	ND		840	110	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Caprolactam	ND		850	110	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Carbazole	ND		34	7.8	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Chloroaniline	ND		170	44	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Chloro-3-methylphenol	ND		170	59	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Chloronaphthalene	ND		34	7.7	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Chlorophenol	ND		170	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Chlorophenyl phenyl ether	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Chrysene	ND		34	19	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Dibenz(a,h)anthracene	ND		34	21	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Dibenzofuran	ND		170	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
3,3'-Dichlorobenzidine	ND		170	160	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dichlorophenol	ND		34	13	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Diethyl phthalate	ND		170	59	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dimethylphenol	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Dimethyl phthalate	ND		340	180	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Di-n-butyl phthalate	ND		1700	350	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4,6-Dinitro-2-methylphenol	ND		850	290	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dinitrophenol	ND		1700	1000	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dinitrotoluene	ND		170	100	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,6-Dinitrotoluene	ND		170	65	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Di-n-octyl phthalate	ND		170	97	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
1,4-Dioxane	ND		340	100	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Fluoranthene	ND		34	8.8	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Fluorene	ND		34	6.6	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachlorobenzene	ND		34	12	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachlorobutadiene	ND		34	9.8	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachlorocyclopentadiene	ND		170	45	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachloroethane	ND		170	59	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Indeno[1,2,3-cd]pyrene	ND		34	17	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Isophorone	ND		170	63	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Methylnaphthalene	ND		34	8.0	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Methylphenol	ND		170	48	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Methylphenol, 3 & 4	ND		170	49	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Naphthalene	ND		34	6.5	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Nitroaniline	ND		850	76	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
3-Nitroaniline	ND		850	42	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Nitroaniline	ND		850	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Nitrobenzene	ND		340	61	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Nitrophenol	ND		170	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Nitrophenol	ND		850	120	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
N-Nitrosodi-n-propylamine	ND		34	11	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
N-Nitrosodiphenylamine	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1

DRAFT

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

Lab Sample ID: MB 180-476940/1-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		34	12	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Pentachlorophenol	ND		850	270	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Phenanthrene	ND		34	9.0	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Phenol	ND		170	51	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Pyrene	ND		34	12	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
1,2,4,5-Tetrachlorobenzene	ND		170	66	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,3,4,6-Tetrachlorophenol	ND		170	70	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4,5-Trichlorophenol	ND		170	58	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4,6-Trichlorophenol	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
Terphenyl-d14 (Surr)	*63*		*39 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*08/16/24 13:49*	*08/19/24 10:01*	*1*

Lab Sample ID: LCS 180-476940/2-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	2320		ug/Kg		70	50 - 100
Acenaphthylene	3330	2460		ug/Kg		74	52 - 100
Acetophenone	3330	2480		ug/Kg		74	48 - 100
Anthracene	3330	2340		ug/Kg		70	53 - 100
Atrazine	3330	2600		ug/Kg		78	49 - 103
Benzaldehyde	3330	2810		ug/Kg		84	23 - 105
Benzo[a]anthracene	3330	2400		ug/Kg		72	51 - 100
Benzo[a]pyrene	3330	2450		ug/Kg		74	51 - 100
Benzo[b]fluoranthene	3330	2170		ug/Kg		65	48 - 100
Benzo[g,h,i]perylene	3330	2360		ug/Kg		71	48 - 105
Benzo[k]fluoranthene	3330	2380		ug/Kg		71	19 - 100
1,1'-Biphenyl	3330	2360		ug/Kg		71	50 - 100
Bis(2-chloroethoxy)methane	3330	2450		ug/Kg		73	49 - 100
Bis(2-chloroethyl)ether	3330	2430		ug/Kg		73	48 - 100
Bis(2-ethylhexyl) phthalate	3330	2090		ug/Kg		63	53 - 107
4-Bromophenyl phenyl ether	3330	2450		ug/Kg		74	52 - 101
Butyl benzyl phthalate	3330	2220		ug/Kg		66	52 - 107
Caprolactam	3330	2600		ug/Kg		78	48 - 111
Carbazole	3330	1490	*-	ug/Kg		45	53 - 100
4-Chloroaniline	3330	1850		ug/Kg		55	47 - 100
4-Chloro-3-methylphenol	3330	2710		ug/Kg		81	49 - 106
2-Chloronaphthalene	3330	2280		ug/Kg		69	51 - 100
2-Chlorophenol	3330	2510		ug/Kg		75	51 - 100
4-Chlorophenyl phenyl ether	3330	2520		ug/Kg		75	52 - 100
Chrysene	3330	2400		ug/Kg		72	50 - 100

DRAFT

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

Lab Sample ID: LCS 180-476940/2-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	3330	2390		ug/Kg		72	50 - 107
Dibenzofuran	3330	2370		ug/Kg		71	52 - 100
3,3'-Dichlorobenzidine	3330	1550		ug/Kg		47	43 - 100
2,4-Dichlorophenol	3330	2690		ug/Kg		81	53 - 101
Diethyl phthalate	3330	2550		ug/Kg		76	48 - 104
2,4-Dimethylphenol	3330	1840		ug/Kg		55	51 - 101
Dimethyl phthalate	3330	2580		ug/Kg		77	53 - 100
Di-n-butyl phthalate	3330	2500		ug/Kg		75	57 - 102
4,6-Dinitro-2-methylphenol	6670	4630		ug/Kg		69	51 - 100
2,4-Dinitrophenol	6670	5040		ug/Kg		76	33 - 101
2,4-Dinitrotoluene	3330	2740		ug/Kg		82	54 - 104
2,6-Dinitrotoluene	3330	2590		ug/Kg		78	51 - 106
Di-n-octyl phthalate	3330	2120		ug/Kg		64	41 - 106
1,4-Dioxane	3330	2140		ug/Kg		64	25 - 125
Fluoranthene	3330	2660		ug/Kg		80	55 - 100
Fluorene	3330	2490		ug/Kg		75	52 - 100
Hexachlorobenzene	3330	2450		ug/Kg		74	49 - 100
Hexachlorobutadiene	3330	2660		ug/Kg		80	38 - 107
Hexachlorocyclopentadiene	3330	1690		ug/Kg		51	33 - 117
Hexachloroethane	3330	2480		ug/Kg		74	47 - 100
Indeno[1,2,3-cd]pyrene	3330	2590		ug/Kg		78	51 - 103
Isophorone	3330	2670		ug/Kg		80	48 - 105
2-Methylnaphthalene	3330	2570		ug/Kg		77	53 - 100
2-Methylphenol	3330	2530		ug/Kg		76	50 - 101
Methylphenol, 3 & 4	3330	2660		ug/Kg		80	50 - 103
Naphthalene	3330	2330		ug/Kg		70	51 - 100
2-Nitroaniline	3330	2710		ug/Kg		81	42 - 123
3-Nitroaniline	3330	2050		ug/Kg		61	50 - 103
4-Nitroaniline	3330	1860		ug/Kg		56	52 - 103
Nitrobenzene	3330	2530		ug/Kg		76	44 - 108
2-Nitrophenol	3330	2570		ug/Kg		77	55 - 107
4-Nitrophenol	6670	6170		ug/Kg		93	30 - 134
N-Nitrosodi-n-propylamine	3330	2840		ug/Kg		85	45 - 107
N-Nitrosodiphenylamine	3330	2110		ug/Kg		63	52 - 100
2,2'-oxybis[1-chloropropane]	3330	2030		ug/Kg		61	30 - 113
Pentachlorophenol	6670	5870		ug/Kg		88	42 - 110
Phenanthrene	3330	2260		ug/Kg		68	53 - 100
Phenol	3330	2460		ug/Kg		74	49 - 100
Pyrene	3330	2360		ug/Kg		71	52 - 100
1,2,4,5-Tetrachlorobenzene	3330	2420		ug/Kg		73	41 - 104
2,3,4,6-Tetrachlorophenol	3330	2800		ug/Kg		84	47 - 104
2,4,5-Trichlorophenol	3330	2750		ug/Kg		82	50 - 104
2,4,6-Trichlorophenol	3330	2580		ug/Kg		77	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*44 - 105*
2-Fluorophenol (Surr)	*72*		*48 - 105*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*

DRAFT

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

Lab Sample ID: LCS 180-476940/2-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476940

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*59*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-476827/1-A
Matrix: Solid
Analysis Batch: 477488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1221	ND		17	5.9	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1232	ND		17	4.1	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1242	ND		17	2.4	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1248	ND		17	4.0	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1254	ND		17	5.0	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1260	ND		17	4.7	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1262	ND		17	5.9	ug/Kg		08/15/24 15:10	08/23/24 16:40	1
PCB-1268	ND		17	2.2	ug/Kg		08/15/24 15:10	08/23/24 16:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*75*		*57 - 146*	*08/15/24 15:10*	*08/23/24 16:40*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*57 - 146*	*08/15/24 15:10*	*08/23/24 16:40*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*60 - 135*	*08/15/24 15:10*	*08/23/24 16:40*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*60 - 135*	*08/15/24 15:10*	*08/23/24 16:40*	*1*

Lab Sample ID: LCS 180-476827/2-A
Matrix: Solid
Analysis Batch: 476864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1100		ug/Kg		82	48 - 132
PCB-1260	1330	1170		ug/Kg		87	45 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*100*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*111*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*81*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*93*		*60 - 135*

DRAFT

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-623537/1-A
Matrix: Solid
Analysis Batch: 623972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.3	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Antimony	ND		2.0	0.36	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Arsenic	ND		1.5	0.32	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Barium	ND		20	0.36	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Beryllium	ND		0.50	0.054	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Cadmium	ND		0.50	0.048	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Calcium	ND		500	36	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Chromium	ND		1.0	0.34	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Cobalt	ND		1.0	0.074	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Copper	ND		2.5	0.24	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Iron	ND		20	6.9	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Lead	ND		1.0	0.28	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Magnesium	ND		500	15	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Manganese	ND		1.5	0.26	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Nickel	ND		4.0	0.50	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Potassium	ND		500	36	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Selenium	ND		2.0	0.47	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Silver	0.126	J	1.0	0.081	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Sodium	ND		500	140	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Thallium	ND		2.0	0.40	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Vanadium	ND		5.0	0.82	mg/Kg		08/15/24 15:00	08/19/24 14:49	1
Zinc	ND		5.0	1.4	mg/Kg		08/15/24 15:00	08/19/24 14:49	1

Lab Sample ID: LCS 240-623537/2-A
Matrix: Solid
Analysis Batch: 623972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	932		mg/Kg		93	80 - 120
Antimony	100	95.9		mg/Kg		96	80 - 120
Arsenic	200	202		mg/Kg		101	80 - 120
Barium	200	191		mg/Kg		95	80 - 120
Beryllium	100	96.2		mg/Kg		96	80 - 120
Cadmium	100	97.5		mg/Kg		98	80 - 120
Calcium	5000	4730		mg/Kg		95	80 - 120
Chromium	100	95.3		mg/Kg		95	80 - 120
Cobalt	100	96.2		mg/Kg		96	80 - 120
Copper	100	94.3		mg/Kg		94	80 - 120
Iron	1000	961		mg/Kg		96	80 - 120
Lead	100	91.2		mg/Kg		91	80 - 120
Magnesium	5000	4680		mg/Kg		94	80 - 120
Manganese	100	96.4		mg/Kg		96	80 - 120
Nickel	100	97.9		mg/Kg		98	80 - 120
Potassium	5000	4750		mg/Kg		95	80 - 120
Selenium	200	199		mg/Kg		99	80 - 120
Silver	10.0	9.40		mg/Kg		94	80 - 120
Sodium	5000	4760		mg/Kg		95	80 - 120
Thallium	200	193		mg/Kg		97	80 - 120
Vanadium	100	95.7		mg/Kg		96	80 - 120

DRAFT

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

Lab Sample ID: LCS 240-623537/2-A
Matrix: Solid
Analysis Batch: 623972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	100	95.2		mg/Kg		95	80 - 120

Lab Sample ID: 180-178374-1 MS
Matrix: Solid
Analysis Batch: 623972

Client Sample ID: SSHS-SPA4-B5507-ELEV-834-832
Prep Type: Total/NA
Prep Batch: 623537

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5500		1230	6440	4	mg/Kg	☼	77	75 - 125
Antimony	ND	F1	123	88.6	F1	mg/Kg	☼	72	75 - 125
Arsenic	8.0		245	245		mg/Kg	☼	97	75 - 125
Barium	65		245	268		mg/Kg	☼	83	75 - 125
Beryllium	0.17	J	123	113		mg/Kg	☼	92	75 - 125
Cadmium	0.075	J	123	115		mg/Kg	☼	94	75 - 125
Calcium	890		6130	6350		mg/Kg	☼	89	75 - 125
Chromium	12		123	122		mg/Kg	☼	90	75 - 125
Cobalt	3.3		123	119		mg/Kg	☼	94	75 - 125
Copper	27		123	133		mg/Kg	☼	87	75 - 125
Iron	23000		1230	19200	4	mg/Kg	☼	-282	75 - 125
Lead	7.1		123	111		mg/Kg	☼	85	75 - 125
Magnesium	2000		6130	7300		mg/Kg	☼	87	75 - 125
Manganese	350	F1	123	338	F1	mg/Kg	☼	-6	75 - 125
Nickel	11		123	129		mg/Kg	☼	96	75 - 125
Potassium	700		6130	6220		mg/Kg	☼	90	75 - 125
Selenium	0.75	J	245	235		mg/Kg	☼	95	75 - 125
Silver	ND		12.3	11.2		mg/Kg	☼	91	75 - 125
Sodium	ND		6130	5730		mg/Kg	☼	94	75 - 125
Thallium	ND		245	232		mg/Kg	☼	95	75 - 125
Vanadium	11		123	124		mg/Kg	☼	92	75 - 125
Zinc	43		123	157		mg/Kg	☼	93	75 - 125

Lab Sample ID: 180-178374-1 MSD
Matrix: Solid
Analysis Batch: 623972

Client Sample ID: SSHS-SPA4-B5507-ELEV-834-832
Prep Type: Total/NA
Prep Batch: 623537

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5500		1230	6710	4	mg/Kg	☼	99	75 - 125	4	20
Antimony	ND	F1	123	87.4	F1	mg/Kg	☼	71	75 - 125	1	20
Arsenic	8.0		245	246		mg/Kg	☼	97	75 - 125	0	20
Barium	65		245	280		mg/Kg	☼	88	75 - 125	4	20
Beryllium	0.17	J	123	113		mg/Kg	☼	93	75 - 125	0	20
Cadmium	0.075	J	123	116		mg/Kg	☼	95	75 - 125	1	20
Calcium	890		6130	6500		mg/Kg	☼	91	75 - 125	2	20
Chromium	12		123	124		mg/Kg	☼	92	75 - 125	2	20
Cobalt	3.3		123	120		mg/Kg	☼	95	75 - 125	1	20
Copper	27		123	135		mg/Kg	☼	88	75 - 125	1	20
Iron	23000		1230	21200	4	mg/Kg	☼	-116	75 - 125	10	20
Lead	7.1		123	116		mg/Kg	☼	89	75 - 125	4	20
Magnesium	2000		6130	7730		mg/Kg	☼	94	75 - 125	6	20
Manganese	350	F1	123	352	F1	mg/Kg	☼	5	75 - 125	4	20

DRAFT

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

Lab Sample ID: 180-178374-1 MSD
Matrix: Solid
Analysis Batch: 623972

Client Sample ID: SSHS-SPA4-B5507-ELEV-834-832
Prep Type: Total/NA
Prep Batch: 623537

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	11		123	129		mg/Kg	☼	96	75 - 125	1	20
Potassium	700		6130	6320		mg/Kg	☼	92	75 - 125	2	20
Selenium	0.75	J	245	236		mg/Kg	☼	96	75 - 125	0	20
Silver	ND		12.3	11.2		mg/Kg	☼	91	75 - 125	0	20
Sodium	ND		6130	5760		mg/Kg	☼	94	75 - 125	0	20
Thallium	ND		245	233		mg/Kg	☼	95	75 - 125	1	20
Vanadium	11		123	126		mg/Kg	☼	94	75 - 125	2	20
Zinc	43		123	158		mg/Kg	☼	94	75 - 125	0	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-477275/1-A
Matrix: Solid
Analysis Batch: 477389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017	0.011	mg/Kg		08/21/24 10:36	08/22/24 08:31	1

Lab Sample ID: LCS 180-477275/2-A
Matrix: Solid
Analysis Batch: 477389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.208	0.215		mg/Kg		103	80 - 120

DRAFT

GC/MS VOA

Analysis Batch: 476735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	EPA 8260D	476778
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	EPA 8260D	476778
MB 180-476735/7	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-476735/4	Lab Control Sample	Total/NA	Solid	EPA 8260D	

Prep Batch: 476778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	5035	
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 476940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	3541	
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	3541	
180-178374-6	SSHS-SPA4-B5110A-ELEV-834-832	Total/NA	Solid	3541	
180-178374-9	SSHS-SPA4-B5511-ELEV-838-836	Total/NA	Solid	3541	
180-178374-10	SSHS-SPA4-B5511-ELEV-836-834	Total/NA	Solid	3541	
MB 180-476940/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-476940/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 477004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-476940/1-A	Method Blank	Total/NA	Solid	EPA 8270E	476940
LCS 180-476940/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	476940

Analysis Batch: 477015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	EPA 8270E	476940
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	EPA 8270E	476940
180-178374-6	SSHS-SPA4-B5110A-ELEV-834-832	Total/NA	Solid	EPA 8270E	476940
180-178374-9	SSHS-SPA4-B5511-ELEV-838-836	Total/NA	Solid	EPA 8270E	476940
180-178374-10	SSHS-SPA4-B5511-ELEV-836-834	Total/NA	Solid	EPA 8270E	476940

GC Semi VOA

Prep Batch: 476827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-8	SSHS-SPA4-B5510-ELEV-852-850	Total/NA	Solid	3541	
180-178374-12	SSHS-SPA4-B5518-SUB-0-0.17	Total/NA	Solid	3541	
180-178374-15	SSHS-SPA4-B5522-SUB-0-0.17	Total/NA	Solid	3541	
180-178374-16	SSHS-SPA4-B5523-SUB-0-0.17	Total/NA	Solid	3541	
180-178374-17	SSHS-SPA4-B5512-ELEV-852-850	Total/NA	Solid	3541	
MB 180-476827/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-476827/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 476864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-8	SSHS-SPA4-B5510-ELEV-852-850	Total/NA	Solid	EPA 8082A	476827
180-178374-12	SSHS-SPA4-B5518-SUB-0-0.17	Total/NA	Solid	EPA 8082A	476827
180-178374-15	SSHS-SPA4-B5522-SUB-0-0.17	Total/NA	Solid	EPA 8082A	476827

DRAFT

GC Semi VOA (Continued)

Analysis Batch: 476864 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-17	SSHS-SPA4-B5512-ELEV-852-850	Total/NA	Solid	EPA 8082A	476827
LCS 180-476827/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	476827

Analysis Batch: 476995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-16	SSHS-SPA4-B5523-SUB-0-0.17	Total/NA	Solid	EPA 8082A	476827

Analysis Batch: 477488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-476827/1-A	Method Blank	Total/NA	Solid	EPA 8082A	476827

Metals

Prep Batch: 477275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-1	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	7471B	
180-178374-2	SSHS-SPA4-B5527-ELEV-848-846	Total/NA	Solid	7471B	
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	7471B	
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	7471B	
180-178374-5	SSHS-SPA4-B5527-ELEV-844-842	Total/NA	Solid	7471B	
180-178374-7	SSHS-SPA4-B5526-ELEV-844-842	Total/NA	Solid	7471B	
180-178374-11	SSHS-SPA4-B5530-SUB-0.17-2	Total/NA	Solid	7471B	
180-178374-13	SSHS-SPA4-B5516-ELEV-850-848	Total/NA	Solid	7471B	
180-178374-14	SSHS-SPA4-B5516-ELEV-848-846	Total/NA	Solid	7471B	
180-178374-18	SSHS-SPA4-B5528-ELEV-848-846	Total/NA	Solid	7471B	
MB 180-477275/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-477275/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 477389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-1	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	EPA 7471B	477275
180-178374-2	SSHS-SPA4-B5527-ELEV-848-846	Total/NA	Solid	EPA 7471B	477275
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	EPA 7471B	477275
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	EPA 7471B	477275
180-178374-5	SSHS-SPA4-B5527-ELEV-844-842	Total/NA	Solid	EPA 7471B	477275
180-178374-7	SSHS-SPA4-B5526-ELEV-844-842	Total/NA	Solid	EPA 7471B	477275
180-178374-11	SSHS-SPA4-B5530-SUB-0.17-2	Total/NA	Solid	EPA 7471B	477275
180-178374-13	SSHS-SPA4-B5516-ELEV-850-848	Total/NA	Solid	EPA 7471B	477275
180-178374-14	SSHS-SPA4-B5516-ELEV-848-846	Total/NA	Solid	EPA 7471B	477275
180-178374-18	SSHS-SPA4-B5528-ELEV-848-846	Total/NA	Solid	EPA 7471B	477275
MB 180-477275/1-A	Method Blank	Total/NA	Solid	EPA 7471B	477275
LCS 180-477275/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	477275

Prep Batch: 623537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-1	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	3050B	
180-178374-2	SSHS-SPA4-B5527-ELEV-848-846	Total/NA	Solid	3050B	
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	3050B	
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	3050B	
180-178374-5	SSHS-SPA4-B5527-ELEV-844-842	Total/NA	Solid	3050B	
180-178374-7	SSHS-SPA4-B5526-ELEV-844-842	Total/NA	Solid	3050B	

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Metals (Continued)

Prep Batch: 623537 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-11	SSHS-SPA4-B5530-SUB-0.17-2	Total/NA	Solid	3050B	
180-178374-13	SSHS-SPA4-B5516-ELEV-850-848	Total/NA	Solid	3050B	
180-178374-14	SSHS-SPA4-B5516-ELEV-848-846	Total/NA	Solid	3050B	
180-178374-18	SSHS-SPA4-B5528-ELEV-848-846	Total/NA	Solid	3050B	
MB 240-623537/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-623537/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-178374-1 MS	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	3050B	
180-178374-1 MSD	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	3050B	

Analysis Batch: 623972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-1	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	6010D	623537
180-178374-2	SSHS-SPA4-B5527-ELEV-848-846	Total/NA	Solid	6010D	623537
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	6010D	623537
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	6010D	623537
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	6010D	623537
180-178374-5	SSHS-SPA4-B5527-ELEV-844-842	Total/NA	Solid	6010D	623537
180-178374-5	SSHS-SPA4-B5527-ELEV-844-842	Total/NA	Solid	6010D	623537
180-178374-7	SSHS-SPA4-B5526-ELEV-844-842	Total/NA	Solid	6010D	623537
180-178374-11	SSHS-SPA4-B5530-SUB-0.17-2	Total/NA	Solid	6010D	623537
180-178374-13	SSHS-SPA4-B5516-ELEV-850-848	Total/NA	Solid	6010D	623537
180-178374-14	SSHS-SPA4-B5516-ELEV-848-846	Total/NA	Solid	6010D	623537
180-178374-14	SSHS-SPA4-B5516-ELEV-848-846	Total/NA	Solid	6010D	623537
180-178374-18	SSHS-SPA4-B5528-ELEV-848-846	Total/NA	Solid	6010D	623537
MB 240-623537/1-A	Method Blank	Total/NA	Solid	6010D	623537
LCS 240-623537/2-A	Lab Control Sample	Total/NA	Solid	6010D	623537
180-178374-1 MS	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	6010D	623537
180-178374-1 MSD	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	6010D	623537

General Chemistry

Analysis Batch: 476785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178374-1	SSHS-SPA4-B5507-ELEV-834-832	Total/NA	Solid	2540G	
180-178374-2	SSHS-SPA4-B5527-ELEV-848-846	Total/NA	Solid	2540G	
180-178374-3	SSHS-SPA4-B5527-ELEV-846-844	Total/NA	Solid	2540G	
180-178374-4	SSHS-SPA4-DUP-05	Total/NA	Solid	2540G	
180-178374-5	SSHS-SPA4-B5527-ELEV-844-842	Total/NA	Solid	2540G	
180-178374-6	SSHS-SPA4-B5110A-ELEV-834-832	Total/NA	Solid	2540G	
180-178374-7	SSHS-SPA4-B5526-ELEV-844-842	Total/NA	Solid	2540G	
180-178374-8	SSHS-SPA4-B5510-ELEV-852-850	Total/NA	Solid	2540G	
180-178374-9	SSHS-SPA4-B5511-ELEV-838-836	Total/NA	Solid	2540G	
180-178374-10	SSHS-SPA4-B5511-ELEV-836-834	Total/NA	Solid	2540G	
180-178374-11	SSHS-SPA4-B5530-SUB-0.17-2	Total/NA	Solid	2540G	
180-178374-12	SSHS-SPA4-B5518-SUB-0-0.17	Total/NA	Solid	2540G	
180-178374-13	SSHS-SPA4-B5516-ELEV-850-848	Total/NA	Solid	2540G	
180-178374-14	SSHS-SPA4-B5516-ELEV-848-846	Total/NA	Solid	2540G	
180-178374-15	SSHS-SPA4-B5522-SUB-0-0.17	Total/NA	Solid	2540G	
180-178374-16	SSHS-SPA4-B5523-SUB-0-0.17	Total/NA	Solid	2540G	
180-178374-17	SSHS-SPA4-B5512-ELEV-852-850	Total/NA	Solid	2540G	
180-178374-18	SSHS-SPA4-B5528-ELEV-848-846	Total/NA	Solid	2540G	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

180-178374 Chain of Custody

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	'-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com	2
Company: Geosyntec Consultants, Inc.			
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:		
City: Columbia	TAT Requested (days): Standard		
State, Zip: MD, 21044			
Phone: 40-381-4333	PO #: MN0832I		
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site	Project #: 18013464		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5507-ELEV-834-832	8/13/24	0840	C	Solid	N	N				X	2	
SSHS-SPA4-B5527-ELEV-848-846	8/13/24	0915	C	Solid	N	N				X	2	
SSHS-SPA4-B5527-ELEV-846-844	8/13/24	0920	C	Solid	N	N	X	X		X	6	
SSHS-SPA4-DUP-05	8/13/24	--	C	Solid	N	N	X	X		X	6	
SSHS-SPA4-B5527-ELEV-844-842	8/13/24	0935	C	Solid	N	N				X	2	
SSHS-SPA4-B5110A-ELEV-834-832	8/13/24	1011	C	Solid	N	N		X			2	
SSHS-SPA4-B5526-ELEV-844-842	8/13/24	1045	C	Solid	N	N				X	2	
SSHS-SPA4-B5510-ELEV-852-850	8/13/24	1130	C	Solid	N	N			X		2	
SSHS-SPA4-B5511-ELEV-838-836	8/13/24	1230	C	Solid	N	N		X			2	
SSHS-SPA4-B5511-ELEV-836-834	8/13/24	1235	C	Solid	N	N		X			2	
SSHS-SPA4-B5530-SUB-0.17-2	8/13/24	1405	C	Solid	N	N				X	2	
SSHS-SPA4-B5518-SUB-0-0.17	8/13/24	1425	C	Solid	N	N			X		2	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Ayala	Date/Time: 8/13/24 1600	Company: Geosyntec	Received by:	Date/Time: 8/14/24 905	Company: EPIT NC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5516-ELEV-850-848	8/13/24	1429	C	Solid	N	N				X	2	
SSHS-SPA4-B5516-ELEV-848-846	8/13/24	1435	C	Solid	N	N				X	2	
SSHS-SPA4-B5522-SUB-0-0.17	8/13/24	1440	C	Solid	N	N			X		2	
SSHS-SPA4-B5523-SUB-0-0.17	8/13/24	1449	C	Solid	N	N			X		2	
SSHS-SPA4-B5512-ELEV-852-850	8/13/24	1500	C	Solid	N	N			X		2	
SSHS-SPA4-B5528-ELEV-848-846	8/13/24	1530	C	Solid	N	N				X	2	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	8/13/24 1600	Geosyntec		8/14/24 905	TestAmerica
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

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8/27/2024

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

3.3 / 3.2 South Portion A4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5507-ELEV-834-832	8/13/24	0840	C	Solid	N	N				X	2	
SSHS-SPA4-B5527-ELEV-848-846	8/13/24	0915	C	Solid	N	N				X	2	
SSHS-SPA4-B5527-ELEV-846-844	8/13/24	0920	C	Solid	N	N	X	X		X	6	
SSHS-SPA4-DUP-05	8/13/24	–	C	Solid	N	N	X	X		X	6	
SSHS-SPA4-B5527-ELEV-844-842	8/13/24	0935	C	Solid	N	N				X	2	
SSHS-SPA4-B5110A-ELEV-834-832	8/13/24	1011	C	Solid	N	N		X			2	
SSHS-SPA4-B5526-ELEV-844-842	8/13/24	1045	C	Solid	N	N				X	2	
SSHS-SPA4-B5510-ELEV-852-850	8/13/24	1130	C	Solid	N	N			X		2	
SSHS-SPA4-B5511-ELEV-838-836	8/13/24	1230	C	Solid	N	N		X			2	
SSHS-SPA4-B5511-ELEV-836-834	8/13/24	1235	C	Solid	N	N		X			2	
SSHS-SPA4-B5530-SUB-0.17-2	8/13/24	1405	C	Solid	N	N				X	2	
SSHS-SPA4-B5518-SUB-0-0.17	8/13/24	1425	C	Solid	N	N			X		2	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Mrauder John	8/13/24 1600	Company: Geosyntec	Received by: MELISSA LOAR	Date/Time: 8-14-24 9:20	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

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Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5516-ELEV-850-848	8/13/24	1429	C	Solid	N	N				X	2	
~~SSHS-SPA4-B5516-ELEV-848-846~~	~~8/13/24~~	~~1435~~	~~C~~	~~Solid~~	~~N~~	~~N~~				~~X~~	~~2~~	
SSHS-SPA4-B5522-SUB-0-0.17	8/13/24	1440	C	Solid	N	N			X		2	
SSHS-SPA4-B5523-SUB-0-0.17	8/13/24	1449	C	Solid	N	N			X		2	
SSHS-SPA4-B5512-ELEV-852-850	8/13/24	1500	C	Solid	N	N			X		2	
SSHS-SPA4-B5528-ELEV-848-846	8/13/24	1530	C	Solid	N	N				X	2	
				MS								

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miaddox	Date/Time: 8/13/24/1600	Company: Geosyntec	Received by: MELISSA LOAR	Date/Time: 8-14-24 9:20	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Geosyntec Site Name 8-14-24
Cooler Received on 8-14-24 Opened on 8-14-24
Cooler unpacked by: MALISSA LUAR
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Receipt After-hours: Drop-off Date/Time Storage Location
Eurofins Cooler # CC Foam Box Client Cooler Box Other
Packing material used: Bubble Wrap Foam Plastic Bag None Other Box
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 22 (CF 0.1 °C) Observed Cooler Temp. 3.3 °C Corrected Cooler Temp 3.2 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC442471
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page
Samples processed by:

Sample 11 on COC is SBHS-SPA4-BS536-SCB 0.17-2
m Containers say ELEV 02-2 Logged per COC
Time match from Containers to COC

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-178374-1

Login Number: 178374
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 8/27/2024 1:52:13 PM

JOB DESCRIPTION

Former Sperry Remington-South Portion

JOB NUMBER

180-178439-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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8/27/2024 1:52:13 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

DRAFT

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DRAFT

Job Narrative
180-178439-1

Comments
The container labels for the following samples did not match the Chain-of-Custody (COC):
The COC has SSHS-SPA4-B5524-SUB-0.17-2 (180-178439-7), but the labels had SSHS-SPA4-B5524-ELEV 0.2-2
The COC has SSHS-SPA4-B5525-SUB-0.17-2 (180-178439-9), but the labels had SSHS-SPA4-B5525-ELEV 0.2-2
As discussed with the sampler, the IDs on the COC were to be used.

Receipt
The samples were received on 8/15/2024 at the Eurofins Pittsburgh, PA and Cleveland (Barberton), OH laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.0º C and 2.4º C.

GC/MS Semi VOA
Method 8270E: The laboratory control sample (LCS) for preparation batch 180-476940 recovered slightly below the control limits for the following analyte: Carbazole. This is not indicative of a systematic control problem because this was a random marginal exceedance. Qualified results have been reported.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-477004 was above criteria for the following analytes: Benzaldehyde and N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-477015 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-octyl-phthalate, and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-477359 (CCV 180-477359/1) was below criteria for aroclor 1254 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP1 which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verifications (CCV) analyzed in batch 180-477359 (CCVIS 180-477359/26 and CCVIS 180-477359/47) were below criteria for aroclor 1260 for peak on column RTX-CLP1 and 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 did not have these peaks included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-477468 (CCV 180-477468/1) was below criteria for aroclor 1254 for 2 peaks on column RTX-CLP1 and 3 peaks on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP1 and did not have these peaks included in the quantitation of the results.

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

Metals
Method 6010D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-SPA4-B5517-ELEV-850-848 (180-178439-4) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

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

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-SPA4-B5517-ELEV-848-846 (180-178439-5) was above the control limits for percent moisture, but within the control limits for percent solids.

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

DRAFT

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

DRAFT

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

DRAFT

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

DRAFT

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Solid	08/14/24 08:50	08/15/24 09:06
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Solid	08/14/24 08:55	08/15/24 09:06
180-178439-3	SSHS-SPA4-DUP-04	Solid	08/14/24 00:00	08/15/24 09:06
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Solid	08/14/24 09:00	08/15/24 09:06
180-178439-5	SSHS-SPA4-B5517-ELEV-848-846	Solid	08/14/24 09:20	08/15/24 09:06
180-178439-6	SSHS-SPA4-B5517-ELEV-840-838	Solid	08/14/24 09:45	08/15/24 09:06
180-178439-7	SSHS-SPA4-B5524-SUB-0.17-2	Solid	08/14/24 09:55	08/15/24 09:06
180-178439-8	SSHS-SPA4-B3849A-ELEV-838-836	Solid	08/14/24 10:25	08/15/24 09:06
180-178439-9	SSHS-SPA4-B5525-SUB-0.17-2	Solid	08/14/24 11:10	08/15/24 09:06
180-178439-10	SSHS-SPA4-B5529-ELEV-856-854	Solid	08/14/24 11:50	08/15/24 09:06
180-178439-11	SSHS-SPA4-B5529-ELEV-854-852	Solid	08/14/24 11:55	08/15/24 09:06
180-178439-12	SSHS-SPA4-B5514-ELEV-858-856	Solid	08/14/24 12:00	08/15/24 09:06
180-178439-13	SSHS-SPA4-B5519-ELEV-852-850	Solid	08/14/24 13:10	08/15/24 09:06
180-178439-14	SSHS-SPA4-B5515-ELEV-852-850	Solid	08/14/24 13:45	08/15/24 09:06

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Method	Method Description	Protocol	Laboratory
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET CLE
7471B	Mercury (CVAA)	SW846	EET CLE
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET CLE
3541	Automated Soxhlet Extraction	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET CLE

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5517-ELEV-854-852
Lab Sample ID: 180-178439-1
Date Collected: 08/14/24 08:50
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5517-ELEV-854-852
Lab Sample ID: 180-178439-1
Date Collected: 08/14/24 08:50
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 20:26	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.08 g	100 mL	623590	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 17:28	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.57 g	100 mL	623591	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	7471B		1			623928	08/19/24 14:07	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5517-ELEV-852-850
Lab Sample ID: 180-178439-2
Date Collected: 08/14/24 08:55
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5517-ELEV-852-850
Lab Sample ID: 180-178439-2
Date Collected: 08/14/24 08:55
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 20:44	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.16 g	100 mL	623590	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 17:32	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.55 g	100 mL	623591	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	7471B		1			623928	08/19/24 14:08	GK	EET CLE
	Instrument ID: H10									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-04
Lab Sample ID: 180-178439-3
Date Collected: 08/14/24 00:00
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-DUP-04
Lab Sample ID: 180-178439-3
Date Collected: 08/14/24 00:00
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 21:03	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.05 g	100 mL	623590	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 17:37	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.62 g	100 mL	623591	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	7471B		1			623928	08/19/24 14:10	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848
Lab Sample ID: 180-178439-4
Date Collected: 08/14/24 09:00
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848
Lab Sample ID: 180-178439-4
Date Collected: 08/14/24 09:00
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 21:22	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.06 g	100 mL	623590	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 16:58	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.51 g	100 mL	623591	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	7471B		1			623928	08/19/24 14:02	GK	EET CLE
	Instrument ID: H10									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5517-ELEV-848-846
Lab Sample ID: 180-178439-5
Date Collected: 08/14/24 09:20
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5517-ELEV-848-846
Lab Sample ID: 180-178439-5
Date Collected: 08/14/24 09:20
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 22:55	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA4-B5517-ELEV-840-838
Lab Sample ID: 180-178439-6
Date Collected: 08/14/24 09:45
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5517-ELEV-840-838
Lab Sample ID: 180-178439-6
Date Collected: 08/14/24 09:45
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.17 g	100 mL	623590	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 17:41	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.56 g	100 mL	623591	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	7471B		1			623928	08/19/24 14:12	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5524-SUB-0.17-2
Lab Sample ID: 180-178439-7
Date Collected: 08/14/24 09:55
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

DRAFT

Client Sample ID: SSHS-SPA4-B5524-SUB-0.17-2
Lab Sample ID: 180-178439-7
Date Collected: 08/14/24 09:55
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 23:13	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA4-B3849A-ELEV-838-836
Lab Sample ID: 180-178439-8
Date Collected: 08/14/24 10:25
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B3849A-ELEV-838-836
Lab Sample ID: 180-178439-8
Date Collected: 08/14/24 10:25
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	623590	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 17:46	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.51 g	100 mL	623591	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	7471B		1			623928	08/19/24 14:13	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5525-SUB-0.17-2
Lab Sample ID: 180-178439-9
Date Collected: 08/14/24 11:10
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5525-SUB-0.17-2
Lab Sample ID: 180-178439-9
Date Collected: 08/14/24 11:10
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 23:32	JMO	EET PIT
	Instrument ID: CHGC16									

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Client Sample ID: SSHS-SPA4-B5529-ELEV-856-854
Lab Sample ID: 180-178439-10
Date Collected: 08/14/24 11:50
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5529-ELEV-856-854
Lab Sample ID: 180-178439-10
Date Collected: 08/14/24 11:50
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/22/24 23:51	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA4-B5529-ELEV-854-852
Lab Sample ID: 180-178439-11
Date Collected: 08/14/24 11:55
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5529-ELEV-854-852
Lab Sample ID: 180-178439-11
Date Collected: 08/14/24 11:55
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477359	08/23/24 00:09	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA4-B5514-ELEV-858-856
Lab Sample ID: 180-178439-12
Date Collected: 08/14/24 12:00
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5514-ELEV-858-856
Lab Sample ID: 180-178439-12
Date Collected: 08/14/24 12:00
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	476940	08/16/24 13:49	DVC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477015	08/19/24 19:19	VVP	EET PIT
	Instrument ID: CH731									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5519-ELEV-852-850
Lab Sample ID: 180-178439-13
Date Collected: 08/14/24 13:10
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476938	08/16/24 13:36	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5519-ELEV-852-850
Lab Sample ID: 180-178439-13
Date Collected: 08/14/24 13:10
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.03 g	100 mL	623590	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 17:50	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.70 g	100 mL	623591	08/16/24 10:00	BN	EET CLE
Total/NA	Analysis	7471B		1			623928	08/19/24 14:15	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5515-ELEV-852-850
Lab Sample ID: 180-178439-14
Date Collected: 08/14/24 13:45
Matrix: Solid
Date Received: 08/15/24 09:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476946	08/16/24 14:01	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5515-ELEV-852-850
Lab Sample ID: 180-178439-14
Date Collected: 08/14/24 13:45
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	477302	08/21/24 15:03	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477468	08/23/24 11:05	JMO	EET PIT
	Instrument ID: CHGC16									

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Analyst References:

Lab: EET CLE
- Batch Type: Prep
  - BN = Benjamin Norman
- Batch Type: Analysis
  - AJC = Alexander Colosi
  - GK = Grace Kessler

Lab: EET PIT
- Batch Type: Prep
  - DVC = Daniel Capodanno
- Batch Type: Analysis
  - CMC = Candace California
  - JMO = John Oravec
  - VVP = Vincent Piccolino

DRAFT

Client Sample ID: SSHS-SPA4-B5517-ELEV-854-852
Lab Sample ID: 180-178439-1

Date Collected: 08/14/24 08:50
Matrix: Solid

Date Received: 08/15/24 09:06
Percent Solids: 86.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1221	ND		19	6.8	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1232	ND		19	4.7	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1248	**3900**		19	4.6	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1254	**1100**		19	5.8	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1260	ND		19	5.5	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1262	ND		19	6.7	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1
PCB-1268	ND		19	2.6	ug/Kg	☼	08/21/24 15:03	08/22/24 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*57 - 146*	*08/21/24 15:03*	*08/22/24 20:26*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*57 - 146*	*08/21/24 15:03*	*08/22/24 20:26*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*60 - 135*	*08/21/24 15:03*	*08/22/24 20:26*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*60 - 135*	*08/21/24 15:03*	*08/22/24 20:26*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		21	5.7	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Antimony	ND		2.1	0.38	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Arsenic	**8.6**		1.6	0.34	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Barium	**120**		21	0.39	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Beryllium	**0.43**	**J**	0.53	0.058	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Cadmium	**0.58**		0.53	0.051	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Calcium	**5500**		530	39	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Chromium	**16**		1.1	0.37	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Cobalt	**7.8**		1.1	0.079	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Copper	**55**		2.7	0.25	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Iron	**23000**		21	7.4	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Lead	**100**		1.1	0.30	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Magnesium	**2500**		530	16	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Manganese	**400**		1.6	0.28	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Nickel	**44**		4.3	0.53	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Potassium	**790**		530	38	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Selenium	**0.99**	**J**	2.1	0.50	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Silver	ND		1.1	0.086	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Sodium	**350**	**J**	530	150	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Thallium	ND		2.1	0.43	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Vanadium	**13**		5.3	0.88	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1
Zinc	**150**		5.3	1.5	mg/Kg	☼	08/16/24 10:00	08/22/24 17:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.12	0.022	mg/Kg	☼	08/16/24 10:00	08/19/24 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.1**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**86.9**		0.1	0.1	%			08/16/24 13:36	1

DRAFT

Client Sample ID: SSHS-SPA4-B5517-ELEV-852-850
Lab Sample ID: 180-178439-2

Date Collected: 08/14/24 08:55
Matrix: Solid

Date Received: 08/15/24 09:06
Percent Solids: 89.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1221	ND		18	6.4	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1232	ND		18	4.4	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1242	ND		18	2.6	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1248	**62**		18	4.3	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1254	**25**		18	5.4	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1260	ND		18	5.1	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1262	ND		18	6.3	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/21/24 15:03	08/22/24 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*57 - 146*	*08/21/24 15:03*	*08/22/24 20:44*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*57 - 146*	*08/21/24 15:03*	*08/22/24 20:44*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*60 - 135*	*08/21/24 15:03*	*08/22/24 20:44*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*60 - 135*	*08/21/24 15:03*	*08/22/24 20:44*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		19	5.1	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Antimony	ND		1.9	0.35	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Arsenic	**6.8**		1.4	0.30	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Barium	**78**		19	0.35	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Beryllium	**0.30**	**J**	0.48	0.052	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Cadmium	**0.23**	**J**	0.48	0.046	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Calcium	**11000**		480	35	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Chromium	**16**		0.96	0.33	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Cobalt	**7.8**		0.96	0.071	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Copper	**34**		2.4	0.23	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Iron	**25000**		19	6.7	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Lead	**43**		0.96	0.27	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Magnesium	**3300**		480	15	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Manganese	**470**		1.4	0.25	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Nickel	**30**		3.9	0.48	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Potassium	**710**		480	34	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Selenium	**0.82**	**J**	1.9	0.45	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Silver	ND		0.96	0.078	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Sodium	**420**	**J**	480	140	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Thallium	ND	L	1.9	0.38	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Vanadium	**12**		4.8	0.79	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1
Zinc	**87**		4.8	1.3	mg/Kg	☼	08/16/24 10:00	08/22/24 17:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.12	0.022	mg/Kg	☼	08/16/24 10:00	08/19/24 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.4**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**89.6**		0.1	0.1	%			08/16/24 13:36	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-04
Lab Sample ID: 180-178439-3
Date Collected: 08/14/24 00:00
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 91.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1221	ND		18	6.5	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1232	ND		18	4.4	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1242	ND		18	2.7	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1248	**220**		18	4.4	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1254	**100**		18	5.5	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1260	ND		18	5.2	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1262	ND		18	6.4	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1
PCB-1268	ND		18	2.5	ug/Kg	☼	08/21/24 15:03	08/22/24 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*57 - 146*	*08/21/24 15:03*	*08/22/24 21:03*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*57 - 146*	*08/21/24 15:03*	*08/22/24 21:03*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*60 - 135*	*08/21/24 15:03*	*08/22/24 21:03*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*60 - 135*	*08/21/24 15:03*	*08/22/24 21:03*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		21	5.6	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Antimony	ND		2.1	0.37	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Arsenic	**5.9**		1.6	0.33	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Barium	**56**		21	0.38	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Beryllium	**0.29**	**J**	0.52	0.056	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Cadmium	**0.19**	**J**	0.52	0.050	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Calcium	**18000**		520	38	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Chromium	**13**		1.0	0.36	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Cobalt	**6.7**		1.0	0.077	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Copper	**38**		2.6	0.25	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Iron	**22000**		21	7.2	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Lead	**34**		1.0	0.29	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Magnesium	**3500**		520	16	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Manganese	**370**		1.6	0.27	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Nickel	**27**		4.2	0.52	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Potassium	**600**		520	37	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Selenium	ND		2.1	0.49	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Silver	ND		1.0	0.084	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Sodium	**300**	**J**	520	150	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Thallium	ND	L	2.1	0.42	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Vanadium	**12**		5.2	0.86	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1
Zinc	**68**		5.2	1.4	mg/Kg	☼	08/16/24 10:00	08/22/24 17:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.019	mg/Kg	☼	08/16/24 10:00	08/19/24 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.6**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**91.4**		0.1	0.1	%			08/16/24 13:36	1

DRAFT

Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848
Lab Sample ID: 180-178439-4

Date Collected: 08/14/24 09:00
Matrix: Solid

Date Received: 08/15/24 09:06
Percent Solids: 89.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1221	ND		18	6.5	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1232	ND		18	4.5	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1242	ND		18	2.7	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1248	**110**		18	4.4	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1254	**50**		18	5.5	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1260	ND		18	5.2	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1262	ND		18	6.4	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1
PCB-1268	ND		18	2.5	ug/Kg	☼	08/21/24 15:03	08/22/24 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*57 - 146*	*08/21/24 15:03*	*08/22/24 21:22*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*57 - 146*	*08/21/24 15:03*	*08/22/24 21:22*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*60 - 135*	*08/21/24 15:03*	*08/22/24 21:22*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*60 - 135*	*08/21/24 15:03*	*08/22/24 21:22*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		21	5.6	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Antimony	**1.7**	**J F1**	2.1	0.38	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Arsenic	**6.1**		1.6	0.33	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Barium	**44**		21	0.38	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Beryllium	**0.23**	**J**	0.53	0.057	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Cadmium	**0.17**	**J**	0.53	0.051	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Calcium	**20000**	**F2**	530	39	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Chromium	**10**		1.1	0.36	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Cobalt	**7.4**		1.1	0.078	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Copper	**22**		2.6	0.25	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Iron	**18000**		21	7.3	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Lead	**10**		1.1	0.30	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Magnesium	**7900**	**F1**	530	16	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Manganese	**360**	**F1 F2**	1.6	0.27	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Nickel	**19**		4.2	0.53	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Potassium	**700**		530	38	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Selenium	**0.54**	**J**	2.1	0.50	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Silver	ND		1.1	0.086	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Sodium	**170**	**J**	530	150	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Thallium	ND		2.1	0.42	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Vanadium	**10**		5.3	0.87	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1
Zinc	**66**		5.3	1.4	mg/Kg	☼	08/16/24 10:00	08/22/24 16:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.13	0.024	mg/Kg	☼	08/16/24 10:00	08/19/24 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.9**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**89.1**		0.1	0.1	%			08/16/24 13:36	1

DRAFT

Client Sample ID: SSHS-SPA4-B5517-ELEV-848-846
Lab Sample ID: 180-178439-5

Date Collected: 08/14/24 09:20
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 88.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1221	ND		18	6.5	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1232	ND		18	4.5	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1242	ND		18	2.7	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1248	**10**	**J**	18	4.4	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1254	ND		18	5.5	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1260	ND		18	5.2	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1262	ND		18	6.5	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1
PCB-1268	ND		18	2.5	ug/Kg	☼	08/21/24 15:03	08/22/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*57 - 146*	*08/21/24 15:03*	*08/22/24 22:55*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*57 - 146*	*08/21/24 15:03*	*08/22/24 22:55*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*60 - 135*	*08/21/24 15:03*	*08/22/24 22:55*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*60 - 135*	*08/21/24 15:03*	*08/22/24 22:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.8**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**88.2**		0.1	0.1	%			08/16/24 13:36	1

Client Sample ID: SSHS-SPA4-B5517-ELEV-840-838
Lab Sample ID: 180-178439-6

Date Collected: 08/14/24 09:45
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 90.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		19	5.1	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Antimony	ND		1.9	0.34	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Arsenic	**5.9**		1.4	0.30	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Barium	**100**		19	0.34	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Beryllium	**0.45**	**J**	0.47	0.051	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Cadmium	**0.21**	**J**	0.47	0.046	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Calcium	**1600**		470	35	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Chromium	**12**		0.95	0.33	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Cobalt	**9.5**		0.95	0.070	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Copper	**26**		2.4	0.22	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Iron	**19000**		19	6.6	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Lead	**8.6**		0.95	0.27	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Magnesium	**2400**		470	15	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Manganese	**290**		1.4	0.25	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Nickel	**24**		3.8	0.47	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Potassium	**800**		470	34	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Selenium	**0.74**	**J**	1.9	0.45	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Silver	ND		0.95	0.077	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Sodium	**160**	**J**	470	130	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Thallium	ND	L	1.9	0.38	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Vanadium	**12**		4.7	0.78	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1
Zinc	**75**		4.7	1.3	mg/Kg	☼	08/16/24 10:00	08/22/24 17:41	1

DRAFT

Client Sample ID: SSHS-SPA4-B5517-ELEV-840-838
Lab Sample ID: 180-178439-6

Date Collected: 08/14/24 09:45
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 90.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.12	0.021	mg/Kg	☼	08/16/24 10:00	08/19/24 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.0**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**90.0**		0.1	0.1	%			08/16/24 13:36	1

Client Sample ID: SSHS-SPA4-B5524-SUB-0.17-2
Lab Sample ID: 180-178439-7

Date Collected: 08/14/24 09:55
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 87.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1221	ND		19	6.6	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1232	ND		19	4.5	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1242	ND		19	2.7	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1248	**4300**		19	4.5	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1254	**1100**		19	5.6	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1260	ND		19	5.3	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1262	ND		19	6.6	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/21/24 15:03	08/22/24 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*57 - 146*	*08/21/24 15:03*	*08/22/24 23:13*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*57 - 146*	*08/21/24 15:03*	*08/22/24 23:13*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*60 - 135*	*08/21/24 15:03*	*08/22/24 23:13*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*60 - 135*	*08/21/24 15:03*	*08/22/24 23:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.5**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**87.5**		0.1	0.1	%			08/16/24 13:36	1

Client Sample ID: SSHS-SPA4-B3849A-ELEV-838-836
Lab Sample ID: 180-178439-8

Date Collected: 08/14/24 10:25
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 82.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		22	5.9	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Antimony	ND		2.2	0.40	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Arsenic	**7.2**		1.7	0.35	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Barium	**64**		22	0.40	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Beryllium	**0.31**	**J**	0.55	0.060	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Cadmium	**0.16**	**J**	0.55	0.053	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Calcium	**1400**		550	40	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Chromium	**12**		1.1	0.38	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Cobalt	**6.8**		1.1	0.082	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Copper	**28**		2.8	0.26	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Iron	**18000**		22	7.7	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1

DRAFT

Client Sample ID: SSHS-SPA4-B3849A-ELEV-838-836
Lab Sample ID: 180-178439-8

Date Collected: 08/14/24 10:25
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 82.7

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.1	0.31	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Magnesium	2300		550	17	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Manganese	800		1.7	0.29	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Nickel	41		4.4	0.55	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Potassium	750		550	40	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Selenium	0.58	J	2.2	0.52	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Silver	ND		1.1	0.090	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Sodium	ND		550	160	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Thallium	ND	L	2.2	0.44	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Vanadium	9.5		5.5	0.91	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1
Zinc	75		5.5	1.5	mg/Kg	☼	08/16/24 10:00	08/22/24 17:46	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.14	0.026	mg/Kg	☼	08/16/24 10:00	08/19/24 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.3		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	82.7		0.1	0.1	%			08/16/24 13:36	1

Client Sample ID: SSHS-SPA4-B5525-SUB-0.17-2
Lab Sample ID: 180-178439-9

Date Collected: 08/14/24 11:10
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 82.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1221	ND		20	7.0	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1232	ND		20	4.8	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1248	ND		20	4.7	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1254	130		20	5.9	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1260	77		20	5.6	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1262	ND		20	6.9	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/21/24 15:03	08/22/24 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*57 - 146*	*08/21/24 15:03*	*08/22/24 23:32*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*57 - 146*	*08/21/24 15:03*	*08/22/24 23:32*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*60 - 135*	*08/21/24 15:03*	*08/22/24 23:32*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*60 - 135*	*08/21/24 15:03*	*08/22/24 23:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.5		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	82.5		0.1	0.1	%			08/16/24 13:36	1

DRAFT

Client Sample ID: SSHS-SPA4-B5529-ELEV-856-854
Lab Sample ID: 180-178439-10

Date Collected: 08/14/24 11:50
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 90.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1221	ND		18	6.4	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1232	ND		18	4.4	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1242	ND		18	2.7	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1248	**63**		18	4.4	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1254	**34**		18	5.5	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1260	ND		18	5.2	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1262	ND		18	6.4	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/21/24 15:03	08/22/24 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*57 - 146*	*08/21/24 15:03*	*08/22/24 23:51*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*57 - 146*	*08/21/24 15:03*	*08/22/24 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*08/21/24 15:03*	*08/22/24 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*60 - 135*	*08/21/24 15:03*	*08/22/24 23:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.5**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**90.5**		0.1	0.1	%			08/16/24 13:36	1

Client Sample ID: SSHS-SPA4-B5529-ELEV-854-852
Lab Sample ID: 180-178439-11

Date Collected: 08/14/24 11:55
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 91.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1221	ND		18	6.4	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1232	ND		18	4.4	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1242	ND		18	2.6	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1248	ND		18	4.3	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1254	ND		18	5.4	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1260	ND		18	5.1	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1262	ND		18	6.3	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/21/24 15:03	08/23/24 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*57 - 146*	*08/21/24 15:03*	*08/23/24 00:09*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*57 - 146*	*08/21/24 15:03*	*08/23/24 00:09*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*60 - 135*	*08/21/24 15:03*	*08/23/24 00:09*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*60 - 135*	*08/21/24 15:03*	*08/23/24 00:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.8**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**91.2**		0.1	0.1	%			08/16/24 13:36	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178439-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5514-ELEV-858-856
Lab Sample ID: 180-178439-12
Date Collected: 08/14/24 12:00
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 87.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**28**	**J**	76	22	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Acenaphthylene	**240**		76	17	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Acetophenone	ND		760	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Anthracene	**190**		76	20	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Atrazine	ND		760	170	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Benzaldehyde	ND		760	47	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Benzo[a]anthracene	**590**		76	34	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Benzo[a]pyrene	**610**		76	33	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Benzo[b]fluoranthene	**730**		76	19	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Benzo[g,h,i]perylene	**520**		76	16	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Benzo[k]fluoranthene	**260**		76	23	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Bis(2-chloroethyl)ether	ND		76	23	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Butyl benzyl phthalate	ND		1900	260	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Caprolactam	ND		1900	250	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Carbazole	**37**	**J *-**	76	18	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Chrysene	**650**		76	42	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Dibenz(a,h)anthracene	**140**		76	48	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Dibenzofuran	ND		370	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Dimethyl phthalate	ND		760	420	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Di-n-butyl phthalate	ND		3700	790	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,4-Dinitrophenol	ND		3700	2400	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
1,4-Dioxane	ND		760	240	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Fluoranthene	**910**		76	20	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Fluorene	**44**	**J**	76	15	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Hexachlorocyclopentadiene	ND		370	100	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Hexachloroethane	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Indeno[1,2,3-cd]pyrene	**410**		76	38	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Isophorone	ND		370	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2-Methylnaphthalene	**37**	**J**	76	18	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2-Methylphenol	ND		370	110	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1

DRAFT

Client Sample ID: SSHS-SPA4-B5514-ELEV-858-856
Lab Sample ID: 180-178439-12

Date Collected: 08/14/24 12:00
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 87.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Naphthalene	**52**	**J**	76	15	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Nitrobenzene	ND		760	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Phenanthrene	**450**		76	20	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Phenol	ND		370	110	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
Pyrene	**1000**		76	27	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	08/16/24 13:49	08/19/24 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*44 - 105*	*08/16/24 13:49*	*08/19/24 19:19*	*1*
2-Fluorophenol (Surr)	*92*		*48 - 105*	*08/16/24 13:49*	*08/19/24 19:19*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 105*	*08/16/24 13:49*	*08/19/24 19:19*	*1*
Phenol-d5 (Surr)	*89*		*46 - 105*	*08/16/24 13:49*	*08/19/24 19:19*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*08/16/24 13:49*	*08/19/24 19:19*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*08/16/24 13:49*	*08/19/24 19:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.5**		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	**87.5**		0.1	0.1	%			08/16/24 13:36	1

Client Sample ID: SSHS-SPA4-B5519-ELEV-852-850
Lab Sample ID: 180-178439-13

Date Collected: 08/14/24 13:10
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 85.1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8100**		23	6.1	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Antimony	ND		2.3	0.41	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Arsenic	**5.5**		1.7	0.36	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Barium	**70**		23	0.41	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Beryllium	**0.34**	**J**	0.57	0.062	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Cadmium	**0.28**	**J**	0.57	0.055	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Calcium	**6900**		570	42	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Chromium	**15**		1.1	0.39	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Cobalt	**6.5**		1.1	0.084	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Copper	**22**		2.9	0.27	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Iron	**15000**		23	7.9	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1

DRAFT

Client Sample ID: SSHS-SPA4-B5519-ELEV-852-850
Lab Sample ID: 180-178439-13

Date Collected: 08/14/24 13:10
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 85.1

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30		1.1	0.32	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Magnesium	2900		570	17	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Manganese	470		1.7	0.30	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Nickel	18		4.6	0.57	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Potassium	500	J	570	41	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Selenium	0.81	J	2.3	0.53	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Silver	ND		1.1	0.092	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Sodium	ND		570	160	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Thallium	ND	L	2.3	0.46	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Vanadium	12		5.7	0.94	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1
Zinc	62		5.7	1.6	mg/Kg	☼	08/16/24 10:00	08/22/24 17:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	J	0.10	0.018	mg/Kg	☼	08/16/24 10:00	08/19/24 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.9		0.1	0.1	%			08/16/24 13:36	1
Percent Solids (SM22 2540G)	85.1		0.1	0.1	%			08/16/24 13:36	1

Client Sample ID: SSHS-SPA4-B5515-ELEV-852-850
Lab Sample ID: 180-178439-14

Date Collected: 08/14/24 13:45
Matrix: Solid
Date Received: 08/15/24 09:06
Percent Solids: 88.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1221	ND		18	6.5	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1232	ND		18	4.5	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1242	ND		18	2.7	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1248	ND		18	4.4	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1254	100		18	5.5	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1260	ND		18	5.3	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1262	ND		18	6.5	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1
PCB-1268	ND		18	2.5	ug/Kg	☼	08/21/24 15:03	08/23/24 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*57 - 146*	*08/21/24 15:03*	*08/23/24 11:05*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*57 - 146*	*08/21/24 15:03*	*08/23/24 11:05*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*60 - 135*	*08/21/24 15:03*	*08/23/24 11:05*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*60 - 135*	*08/21/24 15:03*	*08/23/24 11:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.6		0.1	0.1	%			08/16/24 14:01	1
Percent Solids (SM22 2540G)	88.4		0.1	0.1	%			08/16/24 14:01	1

DRAFT

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

Lab Sample ID: MB 180-476940/1-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		34	9.6	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Acenaphthylene	ND		34	7.3	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Acetophenone	ND		340	60	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Anthracene	ND		34	8.7	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Atrazine	ND		340	73	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzaldehyde	ND		340	21	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[a]anthracene	ND		34	15	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[a]pyrene	ND		34	14	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[b]fluoranthene	ND		34	8.2	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[g,h,i]perylene	ND		34	7.2	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Benzo[k]fluoranthene	ND		34	10	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
1,1'-Biphenyl	ND		170	61	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Bis(2-chloroethoxy)methane	ND		170	61	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Bis(2-chloroethyl)ether	ND		34	10	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Bis(2-ethylhexyl) phthalate	ND		1700	180	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Bromophenyl phenyl ether	ND		170	71	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Butyl benzyl phthalate	ND		840	110	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Caprolactam	ND		850	110	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Carbazole	ND		34	7.8	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Chloroaniline	ND		170	44	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Chloro-3-methylphenol	ND		170	59	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Chloronaphthalene	ND		34	7.7	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Chlorophenol	ND		170	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Chlorophenyl phenyl ether	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Chrysene	ND		34	19	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Dibenz(a,h)anthracene	ND		34	21	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Dibenzofuran	ND		170	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
3,3'-Dichlorobenzidine	ND		170	160	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dichlorophenol	ND		34	13	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Diethyl phthalate	ND		170	59	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dimethylphenol	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Dimethyl phthalate	ND		340	180	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Di-n-butyl phthalate	ND		1700	350	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4,6-Dinitro-2-methylphenol	ND		850	290	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dinitrophenol	ND		1700	1000	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4-Dinitrotoluene	ND		170	100	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,6-Dinitrotoluene	ND		170	65	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Di-n-octyl phthalate	ND		170	97	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
1,4-Dioxane	ND		340	100	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Fluoranthene	ND		34	8.8	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Fluorene	ND		34	6.6	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachlorobenzene	ND		34	12	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachlorobutadiene	ND		34	9.8	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachlorocyclopentadiene	ND		170	45	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Hexachloroethane	ND		170	59	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Indeno[1,2,3-cd]pyrene	ND		34	17	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Isophorone	ND		170	63	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Methylnaphthalene	ND		34	8.0	ug/Kg		08/16/24 13:49	08/19/24 10:01	1

DRAFT

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

Lab Sample ID: MB 180-476940/1-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		170	48	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Methylphenol, 3 & 4	ND		170	49	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Naphthalene	ND		34	6.5	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Nitroaniline	ND		850	76	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
3-Nitroaniline	ND		850	42	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Nitroaniline	ND		850	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Nitrobenzene	ND		340	61	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2-Nitrophenol	ND		170	62	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
4-Nitrophenol	ND		850	120	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
N-Nitrosodi-n-propylamine	ND		34	11	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
N-Nitrosodiphenylamine	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,2'-oxybis[1-chloropropane]	ND		34	12	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Pentachlorophenol	ND		850	270	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Phenanthrene	ND		34	9.0	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Phenol	ND		170	51	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
Pyrene	ND		34	12	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
1,2,4,5-Tetrachlorobenzene	ND		170	66	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,3,4,6-Tetrachlorophenol	ND		170	70	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4,5-Trichlorophenol	ND		170	58	ug/Kg		08/16/24 13:49	08/19/24 10:01	1
2,4,6-Trichlorophenol	ND		170	56	ug/Kg		08/16/24 13:49	08/19/24 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
Terphenyl-d14 (Surr)	*63*		*39 - 105*	*08/16/24 13:49*	*08/19/24 10:01*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*08/16/24 13:49*	*08/19/24 10:01*	*1*

Lab Sample ID: LCS 180-476940/2-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	3330	2320		ug/Kg		70	50 - 100
Acenaphthylene	3330	2460		ug/Kg		74	52 - 100
Acetophenone	3330	2480		ug/Kg		74	48 - 100
Anthracene	3330	2340		ug/Kg		70	53 - 100
Atrazine	3330	2600		ug/Kg		78	49 - 103
Benzaldehyde	3330	2810		ug/Kg		84	23 - 105
Benzo[a]anthracene	3330	2400		ug/Kg		72	51 - 100
Benzo[a]pyrene	3330	2450		ug/Kg		74	51 - 100
Benzo[b]fluoranthene	3330	2170		ug/Kg		65	48 - 100
Benzo[g,h,i]perylene	3330	2360		ug/Kg		71	48 - 105
Benzo[k]fluoranthene	3330	2380		ug/Kg		71	19 - 100
1,1'-Biphenyl	3330	2360		ug/Kg		71	50 - 100
Bis(2-chloroethoxy)methane	3330	2450		ug/Kg		73	49 - 100
Bis(2-chloroethyl)ether	3330	2430		ug/Kg		73	48 - 100

DRAFT

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

Lab Sample ID: LCS 180-476940/2-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	3330	2090		ug/Kg		63	53 - 107
4-Bromophenyl phenyl ether	3330	2450		ug/Kg		74	52 - 101
Butyl benzyl phthalate	3330	2220		ug/Kg		66	52 - 107
Caprolactam	3330	2600		ug/Kg		78	48 - 111
Carbazole	3330	1490	*-	ug/Kg		45	53 - 100
4-Chloroaniline	3330	1850		ug/Kg		55	47 - 100
4-Chloro-3-methylphenol	3330	2710		ug/Kg		81	49 - 106
2-Chloronaphthalene	3330	2280		ug/Kg		69	51 - 100
2-Chlorophenol	3330	2510		ug/Kg		75	51 - 100
4-Chlorophenyl phenyl ether	3330	2520		ug/Kg		75	52 - 100
Chrysene	3330	2400		ug/Kg		72	50 - 100
Dibenz(a,h)anthracene	3330	2390		ug/Kg		72	50 - 107
Dibenzofuran	3330	2370		ug/Kg		71	52 - 100
3,3'-Dichlorobenzidine	3330	1550		ug/Kg		47	43 - 100
2,4-Dichlorophenol	3330	2690		ug/Kg		81	53 - 101
Diethyl phthalate	3330	2550		ug/Kg		76	48 - 104
2,4-Dimethylphenol	3330	1840		ug/Kg		55	51 - 101
Dimethyl phthalate	3330	2580		ug/Kg		77	53 - 100
Di-n-butyl phthalate	3330	2500		ug/Kg		75	57 - 102
4,6-Dinitro-2-methylphenol	6670	4630		ug/Kg		69	51 - 100
2,4-Dinitrophenol	6670	5040		ug/Kg		76	33 - 101
2,4-Dinitrotoluene	3330	2740		ug/Kg		82	54 - 104
2,6-Dinitrotoluene	3330	2590		ug/Kg		78	51 - 106
Di-n-octyl phthalate	3330	2120		ug/Kg		64	41 - 106
1,4-Dioxane	3330	2140		ug/Kg		64	25 - 125
Fluoranthene	3330	2660		ug/Kg		80	55 - 100
Fluorene	3330	2490		ug/Kg		75	52 - 100
Hexachlorobenzene	3330	2450		ug/Kg		74	49 - 100
Hexachlorobutadiene	3330	2660		ug/Kg		80	38 - 107
Hexachlorocyclopentadiene	3330	1690		ug/Kg		51	33 - 117
Hexachloroethane	3330	2480		ug/Kg		74	47 - 100
Indeno[1,2,3-cd]pyrene	3330	2590		ug/Kg		78	51 - 103
Isophorone	3330	2670		ug/Kg		80	48 - 105
2-Methylnaphthalene	3330	2570		ug/Kg		77	53 - 100
2-Methylphenol	3330	2530		ug/Kg		76	50 - 101
Methylphenol, 3 & 4	3330	2660		ug/Kg		80	50 - 103
Naphthalene	3330	2330		ug/Kg		70	51 - 100
2-Nitroaniline	3330	2710		ug/Kg		81	42 - 123
3-Nitroaniline	3330	2050		ug/Kg		61	50 - 103
4-Nitroaniline	3330	1860		ug/Kg		56	52 - 103
Nitrobenzene	3330	2530		ug/Kg		76	44 - 108
2-Nitrophenol	3330	2570		ug/Kg		77	55 - 107
4-Nitrophenol	6670	6170		ug/Kg		93	30 - 134
N-Nitrosodi-n-propylamine	3330	2840		ug/Kg		85	45 - 107
N-Nitrosodiphenylamine	3330	2110		ug/Kg		63	52 - 100
2,2'-oxybis[1-chloropropane]	3330	2030		ug/Kg		61	30 - 113
Pentachlorophenol	6670	5870		ug/Kg		88	42 - 110
Phenanthrene	3330	2260		ug/Kg		68	53 - 100
Phenol	3330	2460		ug/Kg		74	49 - 100

DRAFT

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

Lab Sample ID: LCS 180-476940/2-A
Matrix: Solid
Analysis Batch: 477004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	3330	2360		ug/Kg		71	52 - 100
1,2,4,5-Tetrachlorobenzene	3330	2420		ug/Kg		73	41 - 104
2,3,4,6-Tetrachlorophenol	3330	2800		ug/Kg		84	47 - 104
2,4,5-Trichlorophenol	3330	2750		ug/Kg		82	50 - 104
2,4,6-Trichlorophenol	3330	2580		ug/Kg		77	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*44 - 105*
2-Fluorophenol (Surr)	*72*		*48 - 105*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*59*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-477302/1-A
Matrix: Solid
Analysis Batch: 477359

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1221	ND		17	5.9	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1232	ND		17	4.1	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1242	ND		17	2.4	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1248	ND		17	4.0	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1254	ND		17	5.0	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1260	ND		17	4.7	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1262	ND		17	5.9	ug/Kg		08/21/24 15:03	08/22/24 20:07	1
PCB-1268	ND		17	2.2	ug/Kg		08/21/24 15:03	08/22/24 20:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*57 - 146*	*08/21/24 15:03*	*08/22/24 20:07*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*57 - 146*	*08/21/24 15:03*	*08/22/24 20:07*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*60 - 135*	*08/21/24 15:03*	*08/22/24 20:07*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*60 - 135*	*08/21/24 15:03*	*08/22/24 20:07*	*1*

Lab Sample ID: LCS 180-477302/2-A
Matrix: Solid
Analysis Batch: 477359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1080		ug/Kg		81	48 - 132
PCB-1260	1330	903		ug/Kg		68	45 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*87*		*57 - 146*

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Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-477302/2-A
Matrix: Solid
Analysis Batch: 477359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477302

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	79		60 - 135
Tetrachloro-m-xylene (Surr)	80		60 - 135

Lab Sample ID: 180-178439-4 MS
Matrix: Solid
Analysis Batch: 477359

Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848
Prep Type: Total/NA
Prep Batch: 477302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1460	1110		ug/Kg	☼	76	48 - 132
PCB-1260	ND		1460	869		ug/Kg	☼	60	45 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	80		57 - 146
DCB Decachlorobiphenyl (Surr)	84		57 - 146
Tetrachloro-m-xylene (Surr)	73		60 - 135
Tetrachloro-m-xylene (Surr)	76		60 - 135

Lab Sample ID: 180-178439-4 MSD
Matrix: Solid
Analysis Batch: 477359

Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848
Prep Type: Total/NA
Prep Batch: 477302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1480	1140		ug/Kg	☼	77	48 - 132	3	25
PCB-1260	ND		1480	960		ug/Kg	☼	65	45 - 128	10	23

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	79		57 - 146
DCB Decachlorobiphenyl (Surr)	85		57 - 146
Tetrachloro-m-xylene (Surr)	75		60 - 135
Tetrachloro-m-xylene (Surr)	76		60 - 135

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-623590/1-A
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.3	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Arsenic	ND		1.5	0.32	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Barium	ND		20	0.36	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Beryllium	ND		0.50	0.054	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Cadmium	ND		0.50	0.048	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Calcium	ND		500	36	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Chromium	ND		1.0	0.34	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Cobalt	ND		1.0	0.074	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Copper	ND		2.5	0.24	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Iron	ND		20	6.9	mg/Kg		08/16/24 10:00	08/22/24 16:50	1

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

Lab Sample ID: MB 240-623590/1-A
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.28	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Magnesium	ND		500	15	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Manganese	ND		1.5	0.26	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Nickel	ND		4.0	0.50	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Potassium	ND		500	36	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Selenium	ND		2.0	0.47	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Silver	ND		1.0	0.081	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Sodium	ND		500	140	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Thallium	ND		2.0	0.40	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Vanadium	ND		5.0	0.82	mg/Kg		08/16/24 10:00	08/22/24 16:50	1
Zinc	ND		5.0	1.4	mg/Kg		08/16/24 10:00	08/22/24 16:50	1

Lab Sample ID: MB 240-623590/1-A
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.36	mg/Kg		08/16/24 10:00	08/23/24 04:58	1

Lab Sample ID: LCS 240-623590/2-A
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623590

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	948		mg/Kg		95	80 - 120
Antimony	100	105		mg/Kg		105	80 - 120
Arsenic	200	202		mg/Kg		101	80 - 120
Barium	200	197		mg/Kg		99	80 - 120
Beryllium	100	96.8		mg/Kg		97	80 - 120
Cadmium	100	98.5		mg/Kg		98	80 - 120
Calcium	5000	4770		mg/Kg		95	80 - 120
Chromium	100	98.2		mg/Kg		98	80 - 120
Cobalt	100	98.8		mg/Kg		99	80 - 120
Copper	100	95.6		mg/Kg		96	80 - 120
Iron	1000	937		mg/Kg		94	80 - 120
Lead	100	93.0		mg/Kg		93	80 - 120
Magnesium	5000	4650		mg/Kg		93	80 - 120
Manganese	100	94.8		mg/Kg		95	80 - 120
Nickel	100	100		mg/Kg		100	80 - 120
Potassium	5000	5160		mg/Kg		103	80 - 120
Selenium	200	200		mg/Kg		100	80 - 120
Silver	10.0	9.56		mg/Kg		96	80 - 120
Sodium	5000	5060		mg/Kg		101	80 - 120
Thallium	200	198		mg/Kg		99	80 - 120
Vanadium	100	94.5		mg/Kg		95	80 - 120
Zinc	100	99.5		mg/Kg		100	80 - 120

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

Lab Sample ID: 180-178439-4 MS
Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 624484
Prep Batch: 623590

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7200		976	8810	4	mg/Kg	☼	167	75 - 125
Antimony	1.7	J F1	97.6	52.5	F1	mg/Kg	☼	52	75 - 125
Arsenic	6.1		195	189		mg/Kg	☼	94	75 - 125
Barium	44		195	235		mg/Kg	☼	98	75 - 125
Beryllium	0.23	J	97.6	87.5		mg/Kg	☼	89	75 - 125
Cadmium	0.17	J	97.6	89.4		mg/Kg	☼	91	75 - 125
Calcium	20000	F2	4880	21900	4	mg/Kg	☼	30	75 - 125
Chromium	10		97.6	101		mg/Kg	☼	93	75 - 125
Cobalt	7.4		97.6	105		mg/Kg	☼	100	75 - 125
Copper	22		97.6	113		mg/Kg	☼	93	75 - 125
Iron	18000		976	19300	4	mg/Kg	☼	156	75 - 125
Lead	10		97.6	103		mg/Kg	☼	95	75 - 125
Magnesium	7900	F1	4880	8530	F1	mg/Kg	☼	13	75 - 125
Manganese	360	F1 F2	97.6	620	F1	mg/Kg	☼	269	75 - 125
Nickel	19		97.6	129		mg/Kg	☼	112	75 - 125
Potassium	700		4880	5390		mg/Kg	☼	96	75 - 125
Selenium	0.54	J	195	180		mg/Kg	☼	92	75 - 125
Silver	ND		9.76	8.57		mg/Kg	☼	88	75 - 125
Sodium	170	J	4880	4770		mg/Kg	☼	94	75 - 125
Thallium	ND		195	187		mg/Kg	☼	96	75 - 125
Vanadium	10		97.6	95.6		mg/Kg	☼	87	75 - 125
Zinc	66		97.6	179		mg/Kg	☼	116	75 - 125

Lab Sample ID: 180-178439-4 MSD
Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 624484
Prep Batch: 623590

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7200		976	8550	4	mg/Kg	☼	140	75 - 125	3	20
Antimony	1.7	J F1	97.6	58.1	F1	mg/Kg	☼	58	75 - 125	10	20
Arsenic	6.1		195	191		mg/Kg	☼	95	75 - 125	1	20
Barium	44		195	221		mg/Kg	☼	91	75 - 125	6	20
Beryllium	0.23	J	97.6	87.4		mg/Kg	☼	89	75 - 125	0	20
Cadmium	0.17	J	97.6	89.8		mg/Kg	☼	92	75 - 125	1	20
Calcium	20000	F2	4880	56100	4 F2	mg/Kg	☼	731	75 - 125	88	20
Chromium	10		97.6	96.9		mg/Kg	☼	89	75 - 125	4	20
Cobalt	7.4		97.6	104		mg/Kg	☼	99	75 - 125	0	20
Copper	22		97.6	108		mg/Kg	☼	88	75 - 125	4	20
Iron	18000		976	17100	4	mg/Kg	☼	-67	75 - 125	12	20
Lead	10		97.6	89.7		mg/Kg	☼	81	75 - 125	14	20
Magnesium	7900	F1	4880	10500	F1	mg/Kg	☼	53	75 - 125	20	20
Manganese	360	F1 F2	97.6	497	F1 F2	mg/Kg	☼	143	75 - 125	22	20
Nickel	19		97.6	117		mg/Kg	☼	100	75 - 125	10	20
Potassium	700		4880	5450		mg/Kg	☼	97	75 - 125	1	20
Selenium	0.54	J	195	181		mg/Kg	☼	93	75 - 125	1	20
Silver	ND		9.76	8.58		mg/Kg	☼	88	75 - 125	0	20
Sodium	170	J	4880	4920		mg/Kg	☼	97	75 - 125	3	20
Thallium	ND		195	187		mg/Kg	☼	96	75 - 125	0	20
Vanadium	10		97.6	98.0		mg/Kg	☼	90	75 - 125	3	20

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

Lab Sample ID: 180-178439-4 MSD — **Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 624484 — **Prep Batch: 623590**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	66		97.6	162		mg/Kg	☼	98	75 - 125	10	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-623591/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623928 — **Prep Batch: 623591**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		08/16/24 10:00	08/19/24 13:41	1

Lab Sample ID: LCS 240-623591/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623928 — **Prep Batch: 623591**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.833	0.797		mg/Kg		96	80 - 120

Lab Sample ID: 180-178439-4 MS — **Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623928 — **Prep Batch: 623591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.208	0.210		mg/Kg	☼	101	80 - 120

Lab Sample ID: 180-178439-4 MSD — **Client Sample ID: SSHS-SPA4-B5517-ELEV-850-848**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 623928 — **Prep Batch: 623591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.208	0.204		mg/Kg	☼	98	80 - 120	3	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-178439-5 DU — **Client Sample ID: SSHS-SPA4-B5517-ELEV-848-846**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 476938

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.8		10.5	F3	%		12	10
Percent Solids	88.2		89.5		%		2	10

Lab Sample ID: 180-178439-14 DU — **Client Sample ID: SSHS-SPA4-B5515-ELEV-852-850**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 476946

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.6		11.7		%		1	10
Percent Solids	88.4		88.3		%		0.1	10

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GC/MS Semi VOA

Prep Batch: 476940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-12	SSHS-SPA4-B5514-ELEV-858-856	Total/NA	Solid	3541	
MB 180-476940/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-476940/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 477004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-476940/1-A	Method Blank	Total/NA	Solid	EPA 8270E	476940
LCS 180-476940/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	476940

Analysis Batch: 477015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-12	SSHS-SPA4-B5514-ELEV-858-856	Total/NA	Solid	EPA 8270E	476940

GC Semi VOA

Prep Batch: 477302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Total/NA	Solid	3541	
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Total/NA	Solid	3541	
180-178439-3	SSHS-SPA4-DUP-04	Total/NA	Solid	3541	
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	3541	
180-178439-5	SSHS-SPA4-B5517-ELEV-848-846	Total/NA	Solid	3541	
180-178439-7	SSHS-SPA4-B5524-SUB-0.17-2	Total/NA	Solid	3541	
180-178439-9	SSHS-SPA4-B5525-SUB-0.17-2	Total/NA	Solid	3541	
180-178439-10	SSHS-SPA4-B5529-ELEV-856-854	Total/NA	Solid	3541	
180-178439-11	SSHS-SPA4-B5529-ELEV-854-852	Total/NA	Solid	3541	
180-178439-14	SSHS-SPA4-B5515-ELEV-852-850	Total/NA	Solid	3541	
MB 180-477302/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-477302/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-178439-4 MS	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	3541	
180-178439-4 MSD	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	3541	

Analysis Batch: 477359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Total/NA	Solid	EPA 8082A	477302
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Total/NA	Solid	EPA 8082A	477302
180-178439-3	SSHS-SPA4-DUP-04	Total/NA	Solid	EPA 8082A	477302
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	EPA 8082A	477302
180-178439-5	SSHS-SPA4-B5517-ELEV-848-846	Total/NA	Solid	EPA 8082A	477302
180-178439-7	SSHS-SPA4-B5524-SUB-0.17-2	Total/NA	Solid	EPA 8082A	477302
180-178439-9	SSHS-SPA4-B5525-SUB-0.17-2	Total/NA	Solid	EPA 8082A	477302
180-178439-10	SSHS-SPA4-B5529-ELEV-856-854	Total/NA	Solid	EPA 8082A	477302
180-178439-11	SSHS-SPA4-B5529-ELEV-854-852	Total/NA	Solid	EPA 8082A	477302
MB 180-477302/1-A	Method Blank	Total/NA	Solid	EPA 8082A	477302
LCS 180-477302/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	477302
180-178439-4 MS	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	EPA 8082A	477302
180-178439-4 MSD	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	EPA 8082A	477302

Analysis Batch: 477468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-14	SSHS-SPA4-B5515-ELEV-852-850	Total/NA	Solid	EPA 8082A	477302

DRAFT

Metals

Prep Batch: 623590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Total/NA	Solid	3050B	
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Total/NA	Solid	3050B	
180-178439-3	SSHS-SPA4-DUP-04	Total/NA	Solid	3050B	
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	3050B	
180-178439-6	SSHS-SPA4-B5517-ELEV-840-838	Total/NA	Solid	3050B	
180-178439-8	SSHS-SPA4-B3849A-ELEV-838-836	Total/NA	Solid	3050B	
180-178439-13	SSHS-SPA4-B5519-ELEV-852-850	Total/NA	Solid	3050B	
MB 240-623590/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-623590/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-178439-4 MS	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	3050B	
180-178439-4 MSD	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	3050B	

Prep Batch: 623591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Total/NA	Solid	7471B	
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Total/NA	Solid	7471B	
180-178439-3	SSHS-SPA4-DUP-04	Total/NA	Solid	7471B	
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	7471B	
180-178439-6	SSHS-SPA4-B5517-ELEV-840-838	Total/NA	Solid	7471B	
180-178439-8	SSHS-SPA4-B3849A-ELEV-838-836	Total/NA	Solid	7471B	
180-178439-13	SSHS-SPA4-B5519-ELEV-852-850	Total/NA	Solid	7471B	
MB 240-623591/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-623591/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-178439-4 MS	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	7471B	
180-178439-4 MSD	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	7471B	

Analysis Batch: 623928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Total/NA	Solid	7471B	623591
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Total/NA	Solid	7471B	623591
180-178439-3	SSHS-SPA4-DUP-04	Total/NA	Solid	7471B	623591
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	7471B	623591
180-178439-6	SSHS-SPA4-B5517-ELEV-840-838	Total/NA	Solid	7471B	623591
180-178439-8	SSHS-SPA4-B3849A-ELEV-838-836	Total/NA	Solid	7471B	623591
180-178439-13	SSHS-SPA4-B5519-ELEV-852-850	Total/NA	Solid	7471B	623591
MB 240-623591/1-A	Method Blank	Total/NA	Solid	7471B	623591
LCS 240-623591/2-A	Lab Control Sample	Total/NA	Solid	7471B	623591
180-178439-4 MS	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	7471B	623591
180-178439-4 MSD	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	7471B	623591

Analysis Batch: 624484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Total/NA	Solid	6010D	623590
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Total/NA	Solid	6010D	623590
180-178439-3	SSHS-SPA4-DUP-04	Total/NA	Solid	6010D	623590
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	6010D	623590
180-178439-6	SSHS-SPA4-B5517-ELEV-840-838	Total/NA	Solid	6010D	623590
180-178439-8	SSHS-SPA4-B3849A-ELEV-838-836	Total/NA	Solid	6010D	623590
180-178439-13	SSHS-SPA4-B5519-ELEV-852-850	Total/NA	Solid	6010D	623590
MB 240-623590/1-A	Method Blank	Total/NA	Solid	6010D	623590
MB 240-623590/1-A	Method Blank	Total/NA	Solid	6010D	623590

DRAFT

Metals (Continued)

Analysis Batch: 624484 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-623590/2-A	Lab Control Sample	Total/NA	Solid	6010D	623590
180-178439-4 MS	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	6010D	623590
180-178439-4 MSD	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	6010D	623590

General Chemistry

Analysis Batch: 476938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-1	SSHS-SPA4-B5517-ELEV-854-852	Total/NA	Solid	2540G	
180-178439-2	SSHS-SPA4-B5517-ELEV-852-850	Total/NA	Solid	2540G	
180-178439-3	SSHS-SPA4-DUP-04	Total/NA	Solid	2540G	
180-178439-4	SSHS-SPA4-B5517-ELEV-850-848	Total/NA	Solid	2540G	
180-178439-5	SSHS-SPA4-B5517-ELEV-848-846	Total/NA	Solid	2540G	
180-178439-6	SSHS-SPA4-B5517-ELEV-840-838	Total/NA	Solid	2540G	
180-178439-7	SSHS-SPA4-B5524-SUB-0.17-2	Total/NA	Solid	2540G	
180-178439-8	SSHS-SPA4-B3849A-ELEV-838-836	Total/NA	Solid	2540G	
180-178439-9	SSHS-SPA4-B5525-SUB-0.17-2	Total/NA	Solid	2540G	
180-178439-10	SSHS-SPA4-B5529-ELEV-856-854	Total/NA	Solid	2540G	
180-178439-11	SSHS-SPA4-B5529-ELEV-854-852	Total/NA	Solid	2540G	
180-178439-12	SSHS-SPA4-B5514-ELEV-858-856	Total/NA	Solid	2540G	
180-178439-13	SSHS-SPA4-B5519-ELEV-852-850	Total/NA	Solid	2540G	
180-178439-5 DU	SSHS-SPA4-B5517-ELEV-848-846	Total/NA	Solid	2540G	

Analysis Batch: 476946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178439-14	SSHS-SPA4-B5515-ELEV-852-850	Total/NA	Solid	2540G	
180-178439-14 DU	SSHS-SPA4-B5515-ELEV-852-850	Total/NA	Solid	2540G	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins

South Portion A4

180-178439 Chain of Custody

656.1

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com
Company: Geosyntec Consultants, Inc.		Analys
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044	PO #: MN0832I	
Phone: 40-381-4333	WO #:	
Email: akrasnopoler@geosyntec.com	Project #: 18013464	
Project Name: Former Sperry Remington Site	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N		
SSHS-SPA4-B5517-ELEV-854-852	8/14/24	0850	C	Solid	N	N			X	X	3	
SSHS-SPA4-B5517-ELEV-852-850	8/14/24	0855	C	Solid	N	N			X	X	3	
SSHS-SPA4-DUP-04	8/14/24	--	C	Solid	N	N			X	X	4	
SSHS-SPA4-B5517-ELEV-850-848	8/14/24	0900	C	Solid	N	Y			X	X	6	
SSHS-SPA4-B5517-ELEV-848-846	8/14/24	0920	C	Solid	N	N			X		2	
SSHS-SPA4-B5517-ELEV-840-838	8/14/24	0945	C	Solid	N	N				X	2	
SSHS-SPA4-B5524-SUB-0.17-2	8/14/24	0955	C	Solid	N	N			X		2	
SSHS-SPA4-B3849A-ELEV-838-836	8/14/24	1025	C	Solid	N	N				X	2	
SSHS-SPA4-B5525-SUB-0.17-2	8/14/24	1110	C	Solid	N	N			X		2	
SSHS-SPA4-B5529-ELEV-856-854	8/14/24	1150	C	Solid	N	N			X		2	
SSHS-SPA4-B5529-ELEV-854-852	8/14/24	1155	C	Solid	N	N			X		2	
SSHS-SPA4-B5514-ELEV-858-856	8/14/24	1200	C	Solid	N	N		X			2	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Hulsh	Date/Time: 8/14/24 1600	Company: Geosyntec	Received by:	Date/Time: 8/15/24 0900	Company: GRTNE
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5519-ELEV-852-850	8/14/24	1310	C	Solid	N	N				X	2	
SSHS-SPA4-B5515-ELEV-852-850	814/24	1345	C	Solid	N	N			X		2	

Page 40 of 44

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:-- Date. Time. Method of Shipment:

Relinquished by: Marcia	Date/Time: 8/14/24 1600	Company: Geosyntec	Received by:	Date/Time: 8/15/24 0900	Company: EPTNUS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

8/27/2024

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

1 of 4.0

South Portion A4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5517-ELEV-854-852	8/14/24	0850	C	Solid	N	N			X	X	3	
SSHS-SPA4-B5517-ELEV-852-850	8/14/24	0855	C	Solid	N	N			X	X	3	
SSHS-SPA4-DUP-04	8/14/24	--	C	Solid	N	N			X	X	4	
SSHS-SPA4-B5517-ELEV-850-848	8/14/24	0900	C	Solid	N	Y			X	X	6	
SSHS-SPA4-B5517-ELEV-848-846	8/14/24	0920	C	Solid	N	N			X		2	
SSHS-SPA4-B5517-ELEV-840-838	8/14/24	0945	C	Solid	N	N				X	2	
SSHS-SPA4-B5524-SUB-0.17-2	8/14/24	0955	C	Solid	N	N			X		2	
SSHS-SPA4-B3849A-ELEV-838-836	8/14/24	1025	C	Solid	N	N				X	2	
SSHS-SPA4-B5525-SUB-0.17-2	8/14/24	1110	C	Solid	N	N			X		2	
SSHS-SPA4-B5529-ELEV-856-854	8/14/24	1150	C	Solid	N	N			X		2	
SSHS-SPA4-B5529-ELEV-854-852	8/14/24	1155	C	Solid	N	N			X		2	
SSHS-SPA4-B5514-ELEV-858-856	8/14/24	1200	C	Solid	N	N		X			2	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Heller	8/14/24/1600	Geosyntec		8-15-24 9:30 Am	EVS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N		
SSHS-SPA4-B5519-ELEV-852-850	8/14/24	1310	C	Solid	N	N				X	2	
SSHS-SPA4-B5515-ELEV-852-850	814/24	1345	C	Solid	N	N			X		2	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda	Date/Time: 8/14/24 1600	Company: Geosyntec	Received by: JF	Date/Time: 8-15-24	Company Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

8/27/2024

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Geosyntec Consultants Site Name _____ Cooler unpacked by: TF

Cooler Received on 8-15-24 Opened on 8-15-24

FedEx 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # Euro Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. 1.1 °C Corrected Cooler Temp. 1.0 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	Yes	No (NA)
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC442471
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s). _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-178439-1

Login Number: 178439
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 8/27/2024 4:53:16 PM

JOB DESCRIPTION

Former Sperry Remington-South Portion

JOB NUMBER

180-178532-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job Narrative
180-178532-1

Receipt
The samples were received on 8/16/2024 at the Eurofins Pittsburgh, PA and Cleveland (Barberton), OH laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.8º C and 3.4º C.

GC/MS Semi VOA
Method 8270E: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-SPA4-B5508-ELEV-832-830 (180-178532-8) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-477110 was above criteria for the following analyte: Hexachlorobutadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-477156 was above criteria for the following analytes: Di-n-octyl phthalate and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

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

Metals
Method 6010D: The following sample was diluted to bring the concentration of calcium within the instrument's calibration range: SSHS-SPA4-B5083A-ELEV-842-840 (180-178532-6) Elevated reporting limits (RLs) are provided.

Method 6010D: The following sample was diluted to bring the concentration of manganese within the instrument's calibration range: SSHS-SPA4-B5509-ELEV-840-838 (180-178532-15). Elevated reporting limits (RLs) are provided.

Method 6010D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-SPA4-B5531-ELEV-852-850 (180-178532-1) had the recoveries of antimony and/or calcium below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

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

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-SPA4-B5531-ELEV-852-850 (180-178532-1) was above the control limits for percent moisture, but within the control limits for percent solids.

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

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-178532-1	SSHS-SPA4-B5531-ELEV-852-850	Solid	08/15/24 08:45	08/16/24 09:10
180-178532-2	SSHS-SPA4-B5531-ELEV-850-848	Solid	08/15/24 08:55	08/16/24 09:10
180-178532-3	SSHS-SPA4-B5531-ELEV-848-846	Solid	08/15/24 08:58	08/16/24 09:10
180-178532-4	SSHS-SPA4-B5531-ELEV-846-844	Solid	08/15/24 09:06	08/16/24 09:10
180-178532-5	SSHS-SPA4-B5531-ELEV-844-842	Solid	08/15/24 09:13	08/16/24 09:10
180-178532-6	SSHS-SPA4-B5083A-ELEV-842-840	Solid	08/15/24 09:55	08/16/24 09:10
180-178532-7	SSHS-SPA4-B5501-ELEV-832-830	Solid	08/15/24 10:30	08/16/24 09:10
180-178532-8	SSHS-SPA4-B5508-ELEV-832-830	Solid	08/15/24 13:30	08/16/24 09:10
180-178532-9	SSHS-SPA4-DUP-03	Solid	08/15/24 00:00	08/16/24 09:10
180-178532-10	SSHS-SPA4-B3823A-ELEV-830-828	Solid	08/15/24 14:00	08/16/24 09:10
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Solid	08/15/24 14:10	08/16/24 09:10
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Solid	08/15/24 14:17	08/16/24 09:10
180-178532-13	SSHS-SPA4-DUP-02	Solid	08/15/24 00:00	08/16/24 09:10
180-178532-14	SSHS-SPA4-B5509-ELEV-842-840	Solid	08/15/24 14:25	08/16/24 09:10
180-178532-15	SSHS-SPA4-B5509-ELEV-840-838	Solid	08/15/24 14:37	08/16/24 09:10

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Method	Method Description	Protocol	Laboratory
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET CLE
7471B	Mercury (CVAA)	SW846	EET CLE
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET CLE
3541	Automated Soxhlet Extraction	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET CLE

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850
Lab Sample ID: 180-178532-1
Date Collected: 08/15/24 08:45
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850
Lab Sample ID: 180-178532-1
Date Collected: 08/15/24 08:45
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.20 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 19:15	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.56 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:30	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5531-ELEV-850-848
Lab Sample ID: 180-178532-2
Date Collected: 08/15/24 08:55
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5531-ELEV-850-848
Lab Sample ID: 180-178532-2
Date Collected: 08/15/24 08:55
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.24 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 19:36	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.65 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:35	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5531-ELEV-848-846
Lab Sample ID: 180-178532-3
Date Collected: 08/15/24 08:58
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

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Client Sample ID: SSHS-SPA4-B5531-ELEV-848-846
Lab Sample ID: 180-178532-3
Date Collected: 08/15/24 08:58
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.13 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 19:49	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.53 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:37	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5531-ELEV-846-844
Lab Sample ID: 180-178532-4
Date Collected: 08/15/24 09:06
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5531-ELEV-846-844
Lab Sample ID: 180-178532-4
Date Collected: 08/15/24 09:06
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.27 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 19:53	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.54 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:38	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5531-ELEV-844-842
Lab Sample ID: 180-178532-5
Date Collected: 08/15/24 09:13
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5531-ELEV-844-842
Lab Sample ID: 180-178532-5
Date Collected: 08/15/24 09:13
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.26 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 19:58	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.58 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:40	GK	EET CLE
	Instrument ID: H10									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5083A-ELEV-842-840
Lab Sample ID: 180-178532-6
Date Collected: 08/15/24 09:55
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5083A-ELEV-842-840
Lab Sample ID: 180-178532-6
Date Collected: 08/15/24 09:55
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.21 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 20:02	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	3050B			1.21 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		5			624484	08/23/24 08:06	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.65 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:42	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5501-ELEV-832-830
Lab Sample ID: 180-178532-7
Date Collected: 08/15/24 10:30
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5501-ELEV-832-830
Lab Sample ID: 180-178532-7
Date Collected: 08/15/24 10:30
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.42 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 20:07	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.68 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:43	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Lab Sample ID: 180-178532-8
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Lab Sample ID: 180-178532-8
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	477099	08/20/24 07:12	MKK	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477156	08/20/24 16:56	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-SPA4-DUP-03
Lab Sample ID: 180-178532-9
Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-DUP-03
Lab Sample ID: 180-178532-9
Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	5.0 mL	477099	08/20/24 07:12	MKK	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477156	08/20/24 18:01	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-SPA4-B3823A-ELEV-830-828
Lab Sample ID: 180-178532-10
Date Collected: 08/15/24 14:00
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B3823A-ELEV-830-828
Lab Sample ID: 180-178532-10
Date Collected: 08/15/24 14:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	477099	08/20/24 07:12	MKK	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	477156	08/20/24 18:22	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-SPA4-B5509-ELEV-846-844
Lab Sample ID: 180-178532-11
Date Collected: 08/15/24 14:10
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5509-ELEV-846-844
Lab Sample ID: 180-178532-11
Date Collected: 08/15/24 14:10
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	477101	08/20/24 07:14	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477216	08/21/24 23:18	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.03 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 20:11	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.67 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:45	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5509-ELEV-844-842
Lab Sample ID: 180-178532-12
Date Collected: 08/15/24 14:17
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5509-ELEV-844-842
Lab Sample ID: 180-178532-12
Date Collected: 08/15/24 14:17
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	477101	08/20/24 07:14	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477216	08/22/24 00:14	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.07 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 20:15	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.65 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:50	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-DUP-02
Lab Sample ID: 180-178532-13
Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-02
Lab Sample ID: 180-178532-13
Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	477101	08/20/24 07:14	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	477216	08/22/24 00:33	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.02 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 20:20	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.64 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:52	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5509-ELEV-842-840
Lab Sample ID: 180-178532-14
Date Collected: 08/15/24 14:25
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5509-ELEV-842-840
Lab Sample ID: 180-178532-14
Date Collected: 08/15/24 14:25
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.34 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 20:24	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.65 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:54	GK	EET CLE
	Instrument ID: H10									

Client Sample ID: SSHS-SPA4-B5509-ELEV-840-838
Lab Sample ID: 180-178532-15
Date Collected: 08/15/24 14:37
Matrix: Solid
Date Received: 08/16/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			476980	08/17/24 09:52	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA4-B5509-ELEV-840-838
Lab Sample ID: 180-178532-15
Date Collected: 08/15/24 14:37
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			624484	08/22/24 20:28	AJC	EET CLE
	Instrument ID: I12									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5509-ELEV-840-838
Lab Sample ID: 180-178532-15
Date Collected: 08/15/24 14:37
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.11 g	100 mL	623872	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		5			624484	08/23/24 08:10	AJC	EET CLE
	Instrument ID: I12									
Total/NA	Prep	7471B			0.57 g	100 mL	623876	08/19/24 15:00	DEE	EET CLE
Total/NA	Analysis	7471B		1			624141	08/20/24 15:55	GK	EET CLE
	Instrument ID: H10									

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET CLE

Batch Type: Prep

DEE = Dale Elshaw

Batch Type: Analysis

AJC = Alexander Colosi

GK = Grace Kessler

Lab: EET PIT

Batch Type: Prep

MKK = Mary Kenny

Batch Type: Analysis

CMC = Candace California

JMO = John Oravec

VVP = Vincent Piccolino

DRAFT

Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850
Lab Sample ID: 180-178532-1

Date Collected: 08/15/24 08:45
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 81.5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7500		20	5.5	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Antimony	ND	F1	2.0	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Arsenic	8.1		1.5	0.32	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Barium	95		20	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Beryllium	0.45	J	0.51	0.055	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Cadmium	2.6		0.51	0.049	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Calcium	8200	F1	510	37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Chromium	13		1.0	0.35	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Cobalt	10		1.0	0.076	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Copper	26		2.6	0.24	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Iron	19000		20	7.1	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Lead	31		1.0	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Magnesium	3100		510	16	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Manganese	460		1.5	0.26	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Nickel	23		4.1	0.51	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Potassium	740		510	37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Selenium	0.81	J	2.0	0.48	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Silver	ND		1.0	0.083	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Sodium	370	J	510	150	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Thallium	ND	L	2.0	0.41	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Vanadium	13		5.1	0.84	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1
Zinc	110		5.1	1.4	mg/Kg	☼	08/19/24 15:00	08/22/24 19:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042	J	0.13	0.024	mg/Kg	☼	08/19/24 15:00	08/20/24 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.5		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	81.5		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5531-ELEV-850-848
Lab Sample ID: 180-178532-2

Date Collected: 08/15/24 08:55
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 78.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9300		20	5.5	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Antimony	ND		2.0	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Arsenic	11		1.5	0.32	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Barium	130		20	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Beryllium	0.68		0.51	0.055	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Cadmium	0.43	J	0.51	0.049	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Calcium	2100		510	37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Chromium	12		1.0	0.35	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Cobalt	9.9		1.0	0.076	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Copper	24		2.6	0.24	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Iron	21000		20	7.1	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Lead	23		1.0	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1

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Client Sample ID: SSHS-SPA4-B5531-ELEV-850-848

Lab Sample ID: 180-178532-2

Date Collected: 08/15/24 08:55
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 78.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2000		510	16	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Manganese	380		1.5	0.27	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Nickel	18		4.1	0.51	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Potassium	890		510	37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Selenium	1.5	J	2.0	0.48	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Silver	ND		1.0	0.083	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Sodium	480	J	510	150	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Thallium	ND		2.0	0.41	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Vanadium	12		5.1	0.84	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1
Zinc	62		5.1	1.4	mg/Kg	☼	08/19/24 15:00	08/22/24 19:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	J	0.12	0.021	mg/Kg	☼	08/19/24 15:00	08/20/24 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	21.2		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	78.8		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5531-ELEV-848-846

Lab Sample ID: 180-178532-3

Date Collected: 08/15/24 08:58
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 85.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		21	5.6	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Antimony	ND		2.1	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Arsenic	9.2		1.6	0.33	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Barium	65		21	0.38	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Beryllium	0.56		0.52	0.056	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Cadmium	0.17	J	0.52	0.050	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Calcium	790		520	38	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Chromium	14		1.0	0.36	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Cobalt	12		1.0	0.077	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Copper	19		2.6	0.25	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Iron	24000		21	7.2	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Lead	13		1.0	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Magnesium	2900		520	16	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Manganese	540		1.6	0.27	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Nickel	24		4.2	0.52	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Potassium	830		520	37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Selenium	0.82	J	2.1	0.49	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Silver	ND		1.0	0.084	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Sodium	350	J	520	150	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Thallium	ND	L	2.1	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Vanadium	13		5.2	0.86	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1
Zinc	66		5.2	1.4	mg/Kg	☼	08/19/24 15:00	08/22/24 19:49	1

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Client Sample ID: SSHS-SPA4-B5531-ELEV-848-846
Lab Sample ID: 180-178532-3
Date Collected: 08/15/24 08:58
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 85.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.13	0.024	mg/Kg	☼	08/19/24 15:00	08/20/24 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.0		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	85.0		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5531-ELEV-846-844
Lab Sample ID: 180-178532-4
Date Collected: 08/15/24 09:06
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 85.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8100		18	4.9	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Antimony	ND		1.8	0.33	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Arsenic	6.9		1.4	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Barium	59		18	0.33	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Beryllium	0.37	J	0.46	0.050	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Cadmium	0.11	J	0.46	0.044	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Calcium	570		460	34	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Chromium	9.9		0.92	0.32	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Cobalt	7.9		0.92	0.068	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Copper	16		2.3	0.22	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Iron	18000		18	6.4	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Lead	14		0.92	0.26	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Magnesium	2000		460	14	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Manganese	410		1.4	0.24	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Nickel	17		3.7	0.46	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Potassium	620		460	33	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Selenium	0.77	J	1.8	0.43	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Silver	ND		0.92	0.074	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Sodium	230	J	460	130	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Thallium	ND	L	1.8	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Vanadium	8.9		4.6	0.76	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1
Zinc	47		4.6	1.3	mg/Kg	☼	08/19/24 15:00	08/22/24 19:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.13	0.023	mg/Kg	☼	08/19/24 15:00	08/20/24 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.4		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	85.6		0.1	0.1	%			08/17/24 09:52	1

DRAFT

Client Sample ID: SSHS-SPA4-B5531-ELEV-844-842
Lab Sample ID: 180-178532-5

Date Collected: 08/15/24 09:13
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 88.3

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7300		18	4.8	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Antimony	ND		1.8	0.32	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Arsenic	8.5		1.3	0.28	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Barium	81		18	0.33	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Beryllium	0.38	J	0.45	0.049	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Cadmium	0.16	J	0.45	0.043	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Calcium	4100		450	33	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Chromium	10		0.90	0.31	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Cobalt	7.5		0.90	0.067	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Copper	20		2.2	0.21	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Iron	18000		18	6.2	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Lead	8.7		0.90	0.25	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Magnesium	2000		450	14	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Manganese	380		1.3	0.23	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Nickel	17		3.6	0.45	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Potassium	700		450	32	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Selenium	0.53	J	1.8	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Silver	ND		0.90	0.073	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Sodium	260	J	450	130	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Thallium	ND	L	1.8	0.36	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Vanadium	11		4.5	0.74	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1
Zinc	52		4.5	1.2	mg/Kg	☼	08/19/24 15:00	08/22/24 19:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.12	0.021	mg/Kg	☼	08/19/24 15:00	08/20/24 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.7		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	88.3		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5083A-ELEV-842-840
Lab Sample ID: 180-178532-6

Date Collected: 08/15/24 09:55
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.9

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		19	5.2	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Antimony	ND		1.9	0.35	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Arsenic	8.0		1.5	0.31	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Barium	88		19	0.35	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Beryllium	0.11	J	0.49	0.053	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Cadmium	0.13	J	0.49	0.047	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Calcium	74000		2400	180	mg/Kg	☼	08/19/24 15:00	08/23/24 08:06	5
Chromium	16		0.97	0.33	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Cobalt	7.0		0.97	0.072	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Copper	18		2.4	0.23	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Iron	15000		19	6.8	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Lead	17		0.97	0.27	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1

DRAFT

Client Sample ID: SSHS-SPA4-B5083A-ELEV-842-840
Lab Sample ID: 180-178532-6

Date Collected: 08/15/24 09:55
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.9

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4400		490	15	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Manganese	430		1.5	0.25	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Nickel	17		3.9	0.48	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Potassium	760		490	35	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Selenium	ND		1.9	0.46	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Silver	ND		0.97	0.079	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Sodium	190	J	490	140	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Thallium	ND	L	1.9	0.39	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Vanadium	12		4.9	0.80	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1
Zinc	52		4.9	1.3	mg/Kg	☼	08/19/24 15:00	08/22/24 20:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	J	0.11	0.020	mg/Kg	☼	08/19/24 15:00	08/20/24 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.1		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	84.9		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5501-ELEV-832-830
Lab Sample ID: 180-178532-7

Date Collected: 08/15/24 10:30
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4300		17	4.5	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Antimony	ND		1.7	0.30	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Arsenic	5.0		1.3	0.27	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Barium	44		17	0.30	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Beryllium	0.14	J	0.42	0.045	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Cadmium	0.071	J	0.42	0.040	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Calcium	530		420	31	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Chromium	7.0		0.84	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Cobalt	3.4		0.84	0.062	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Copper	21		2.1	0.20	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Iron	14000		17	5.8	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Lead	7.8		0.84	0.24	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Magnesium	1600		420	13	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Manganese	160		1.3	0.22	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Nickel	11		3.4	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Potassium	550		420	30	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Selenium	ND		1.7	0.39	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Silver	ND		0.84	0.068	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Sodium	ND		420	120	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Thallium	ND		1.7	0.34	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Vanadium	5.7		4.2	0.69	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1
Zinc	45		4.2	1.2	mg/Kg	☼	08/19/24 15:00	08/22/24 20:07	1

DRAFT

Client Sample ID: SSHS-SPA4-B5501-ELEV-832-830
Lab Sample ID: 180-178532-7

Date Collected: 08/15/24 10:30
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.7

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.019	mg/Kg	☼	08/19/24 15:00	08/20/24 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.3		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	83.7		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Lab Sample ID: 180-178532-8

Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.3

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Acenaphthylene	ND		79	17	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Acetophenone	ND		790	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Anthracene	ND		79	20	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Atrazine	ND		790	170	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Benzaldehyde	ND	F1	790	49	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Benzo[a]anthracene	ND		79	35	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Bis(2-chloroethyl)ether	ND		79	24	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Butyl benzyl phthalate	ND		2000	270	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Carbazole	ND		79	18	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Chrysene	ND		79	44	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Dibenzofuran	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Dimethyl phthalate	ND		790	430	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Di-n-butyl phthalate	ND		3900	820	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
4,6-Dinitro-2-methylphenol	ND	F1	2000	680	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,4-Dinitrophenol	ND	F1	3900	2400	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1

DRAFT

Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Lab Sample ID: 180-178532-8
Date Collected: 08/15/24 13:30
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.3

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
1,4-Dioxane	ND		790	250	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Fluoranthene	ND		79	21	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Fluorene	ND		79	15	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Hexachlorocyclopentadiene	ND		390	110	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Isophorone	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Naphthalene	ND		79	15	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Nitrobenzene	ND		790	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Phenanthrene	ND		79	21	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Phenol	ND		390	120	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
Pyrene	ND		79	28	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*08/20/24 07:12*	*08/20/24 16:56*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*08/20/24 07:12*	*08/20/24 16:56*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*08/20/24 07:12*	*08/20/24 16:56*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*08/20/24 07:12*	*08/20/24 16:56*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*08/20/24 07:12*	*08/20/24 16:56*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*08/20/24 07:12*	*08/20/24 16:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.7**		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	**84.3**		0.1	0.1	%			08/17/24 09:52	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-DUP-03
Lab Sample ID: 180-178532-9
Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Acenaphthylene	ND		79	17	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Acetophenone	ND		790	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Anthracene	ND		79	20	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Atrazine	ND		790	170	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Benzaldehyde	ND		790	49	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Benzo[a]anthracene	ND		79	35	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Benzo[k]fluoranthene	ND		79	23	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Bis(2-chloroethyl)ether	ND		79	24	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Butyl benzyl phthalate	ND		2000	270	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Caprolactam	ND		2000	250	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Carbazole	ND		79	18	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Chrysene	ND		79	43	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Dibenzofuran	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Dimethyl phthalate	ND		790	430	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Di-n-butyl phthalate	ND		3900	820	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
1,4-Dioxane	ND		790	250	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Fluoranthene	ND		79	21	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Fluorene	ND		79	15	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Hexachlorocyclopentadiene	ND		390	110	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Isophorone	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1

DRAFT

Client Sample ID: SSHS-SPA4-DUP-03
Lab Sample ID: 180-178532-9

Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Naphthalene	ND		79	15	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Nitrobenzene	ND		790	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Phenanthrene	ND		79	21	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Phenol	ND		390	120	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
Pyrene	ND		79	28	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*08/20/24 07:12*	*08/20/24 18:01*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*08/20/24 07:12*	*08/20/24 18:01*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*08/20/24 07:12*	*08/20/24 18:01*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*08/20/24 07:12*	*08/20/24 18:01*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*08/20/24 07:12*	*08/20/24 18:01*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*08/20/24 07:12*	*08/20/24 18:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.5**		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	**83.5**		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B3823A-ELEV-830-828
Lab Sample ID: 180-178532-10

Date Collected: 08/15/24 14:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.7

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Acenaphthylene	ND		79	17	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Acetophenone	ND		790	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Anthracene	ND		79	20	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Atrazine	ND		790	170	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Benzaldehyde	ND		790	49	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B3823A-ELEV-830-828
Lab Sample ID: 180-178532-10
Date Collected: 08/15/24 14:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.7

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Bis(2-chloroethyl)ether	ND		79	24	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Butyl benzyl phthalate	ND		2000	270	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Carbazole	ND		79	18	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Chrysene	ND		79	44	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Dibenzofuran	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Dimethyl phthalate	ND		790	440	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Di-n-butyl phthalate	ND		3900	820	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
1,4-Dioxane	ND		790	250	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Fluoranthene	ND		79	21	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Fluorene	ND		79	15	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Hexachlorocyclopentadiene	ND		390	110	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Isophorone	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Naphthalene	ND		79	15	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Nitrobenzene	ND		790	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1

DRAFT

Client Sample ID: SSHS-SPA4-B3823A-ELEV-830-828
Lab Sample ID: 180-178532-10

Date Collected: 08/15/24 14:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.7

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		2000	630	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Phenanthrene	ND		79	21	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Phenol	ND		390	120	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
Pyrene	ND		79	28	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/20/24 07:12	08/20/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*08/20/24 07:12*	*08/20/24 18:22*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*08/20/24 07:12*	*08/20/24 18:22*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*08/20/24 07:12*	*08/20/24 18:22*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*08/20/24 07:12*	*08/20/24 18:22*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*08/20/24 07:12*	*08/20/24 18:22*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*08/20/24 07:12*	*08/20/24 18:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.3**		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	**83.7**		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5509-ELEV-846-844
Lab Sample ID: 180-178532-11

Date Collected: 08/15/24 14:10
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1221	ND		20	7.1	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1232	ND		20	4.9	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1248	**3300**		20	4.8	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1254	**2700**		20	6.0	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1260	**840**		20	5.7	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1262	ND		20	7.0	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1
PCB-1268	ND		20	2.7	ug/Kg	☼	08/20/24 07:14	08/21/24 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*57 - 146*	*08/20/24 07:14*	*08/21/24 23:18*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*57 - 146*	*08/20/24 07:14*	*08/21/24 23:18*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*08/20/24 07:14*	*08/21/24 23:18*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*08/20/24 07:14*	*08/21/24 23:18*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5200**		23	6.2	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Antimony	ND		2.3	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Arsenic	**11**		1.7	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Barium	**100**		23	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Beryllium	**0.37**	**J**	0.58	0.063	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1

DRAFT

Client Sample ID: SSHS-SPA4-B5509-ELEV-846-844
Lab Sample ID: 180-178532-11

Date Collected: 08/15/24 14:10
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 83.3

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.19	J	0.58	0.056	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Calcium	3100		580	43	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Chromium	11		1.2	0.40	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Cobalt	5.5		1.2	0.086	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Copper	35		2.9	0.28	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Iron	17000		23	8.1	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Lead	41		1.2	0.33	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Magnesium	1400		580	18	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Manganese	180		1.7	0.30	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Nickel	25		4.7	0.58	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Potassium	380	J	580	42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Selenium	0.87	J	2.3	0.55	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Silver	ND		1.2	0.094	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Sodium	260	J	580	170	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Thallium	ND		2.3	0.47	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Vanadium	11		5.8	0.96	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1
Zinc	63		5.8	1.6	mg/Kg	☼	08/19/24 15:00	08/22/24 20:11	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.094	J	0.11	0.019	mg/Kg	☼	08/19/24 15:00	08/20/24 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.7		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	83.3		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5509-ELEV-844-842
Lab Sample ID: 180-178532-12

Date Collected: 08/15/24 14:17
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1221	ND		20	7.0	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1232	ND		20	4.8	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1248	470		20	4.7	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1254	420		20	5.9	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1260	140		20	5.6	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1262	ND		20	6.9	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/20/24 07:14	08/22/24 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*57 - 146*	*08/20/24 07:14*	*08/22/24 00:14*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*57 - 146*	*08/20/24 07:14*	*08/22/24 00:14*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*60 - 135*	*08/20/24 07:14*	*08/22/24 00:14*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*60 - 135*	*08/20/24 07:14*	*08/22/24 00:14*	*1*

DRAFT

Client Sample ID: SSHS-SPA4-B5509-ELEV-844-842
Lab Sample ID: 180-178532-12

Date Collected: 08/15/24 14:17
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 84.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		22	5.9	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Antimony	ND		2.2	0.40	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Arsenic	**18**		1.7	0.35	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Barium	**270**		22	0.40	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Beryllium	**0.42**	**J**	0.55	0.060	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Cadmium	**0.37**	**J**	0.55	0.053	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Calcium	**11000**		550	40	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Chromium	**22**		1.1	0.38	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Cobalt	**8.0**		1.1	0.082	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Copper	**120**		2.8	0.26	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Iron	**26000**		22	7.7	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Lead	**190**		1.1	0.31	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Magnesium	**2200**		550	17	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Manganese	**330**		1.7	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Nickel	**91**		4.4	0.55	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Potassium	**630**		550	39	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Selenium	**1.5**	**J**	2.2	0.52	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Silver	**0.28**	**J**	1.1	0.089	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Sodium	**370**	**J**	550	160	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Thallium	ND		2.2	0.44	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Vanadium	**15**		5.5	0.91	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1
Zinc	**150**		5.5	1.5	mg/Kg	☼	08/19/24 15:00	08/22/24 20:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.11	0.020	mg/Kg	☼	08/19/24 15:00	08/20/24 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.3**		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	**84.7**		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-DUP-02
Lab Sample ID: 180-178532-13

Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 86.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1221	ND		19	6.8	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1232	ND		19	4.7	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1248	**700**		19	4.6	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1254	**780**		19	5.8	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1260	**240**		19	5.5	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1262	ND		19	6.7	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1
PCB-1268	ND		19	2.6	ug/Kg	☼	08/20/24 07:14	08/22/24 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*57 - 146*	*08/20/24 07:14*	*08/22/24 00:33*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*57 - 146*	*08/20/24 07:14*	*08/22/24 00:33*	*1*

DRAFT

Client Sample ID: SSHS-SPA4-DUP-02
Lab Sample ID: 180-178532-13
Date Collected: 08/15/24 00:00
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 86.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*73*		*60 - 135*	*08/20/24 07:14*	*08/22/24 00:33*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*60 - 135*	*08/20/24 07:14*	*08/22/24 00:33*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		23	6.0	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Antimony	ND		2.3	0.41	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Arsenic	**16**		1.7	0.36	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Barium	**240**		23	0.41	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Beryllium	**0.33**	**J**	0.56	0.061	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Cadmium	**0.38**	**J**	0.56	0.054	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Calcium	**24000**		560	41	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Chromium	**23**		1.1	0.39	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Cobalt	**8.0**		1.1	0.083	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Copper	**120**		2.8	0.27	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Iron	**30000**		23	7.8	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Lead	**170**		1.1	0.32	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Magnesium	**2900**		560	17	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Manganese	**430**		1.7	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Nickel	**96**		4.5	0.56	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Potassium	**660**		560	40	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Selenium	**1.9**	**J**	2.3	0.53	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Silver	ND		1.1	0.091	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Sodium	**430**	**J**	560	160	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Thallium	ND	L	2.3	0.45	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Vanadium	**15**		5.6	0.93	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1
Zinc	**160**		5.6	1.5	mg/Kg	☼	08/19/24 15:00	08/22/24 20:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.11	0.019	mg/Kg	☼	08/19/24 15:00	08/20/24 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.1**		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	**86.9**		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5509-ELEV-842-840
Lab Sample ID: 180-178532-14
Date Collected: 08/15/24 14:25
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 87.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		17	4.5	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Antimony	ND		1.7	0.31	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Arsenic	**12**		1.3	0.27	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Barium	**170**		17	0.31	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Beryllium	**0.40**	**J**	0.42	0.046	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Cadmium	**0.23**	**J**	0.42	0.041	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Calcium	**8400**		420	31	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1

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Client Sample ID: SSHS-SPA4-B5509-ELEV-842-840
Lab Sample ID: 180-178532-14

Date Collected: 08/15/24 14:25
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 87.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	18		0.85	0.29	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Cobalt	6.4		0.85	0.063	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Copper	66		2.1	0.20	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Iron	20000		17	5.9	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Lead	85		0.85	0.24	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Magnesium	2000		420	13	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Manganese	240		1.3	0.22	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Nickel	54		3.4	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Potassium	650		420	30	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Selenium	1.1	J	1.7	0.40	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Silver	ND		0.85	0.069	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Sodium	390	J	420	120	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Thallium	ND		1.7	0.34	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Vanadium	12		4.2	0.70	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1
Zinc	99		4.2	1.2	mg/Kg	☼	08/19/24 15:00	08/22/24 20:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.096	J	0.11	0.019	mg/Kg	☼	08/19/24 15:00	08/20/24 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.2		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	87.8		0.1	0.1	%			08/17/24 09:52	1

Client Sample ID: SSHS-SPA4-B5509-ELEV-840-838
Lab Sample ID: 180-178532-15

Date Collected: 08/15/24 14:37
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 77.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9000		23	6.2	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Antimony	ND		2.3	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Arsenic	10		1.7	0.37	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Barium	200		23	0.42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Beryllium	0.45	J	0.58	0.063	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Cadmium	0.35	J	0.58	0.056	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Calcium	8400		580	42	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Chromium	21		1.2	0.40	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Cobalt	9.2		1.2	0.086	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Copper	55		2.9	0.27	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Iron	24000		23	8.0	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Lead	63		1.2	0.33	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Magnesium	2600		580	18	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Manganese	1400		8.7	1.5	mg/Kg	☼	08/19/24 15:00	08/23/24 08:10	5
Nickel	44		4.6	0.57	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Potassium	870		580	41	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Selenium	1.2	J	2.3	0.54	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Silver	ND		1.2	0.094	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Sodium	200	J	580	160	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-178532-1
Project/Site: Former Sperry Remington-South Portion

Client Sample ID: SSHS-SPA4-B5509-ELEV-840-838
Lab Sample ID: 180-178532-15
Date Collected: 08/15/24 14:37
Matrix: Solid
Date Received: 08/16/24 09:10
Percent Solids: 77.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	L	2.3	0.46	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Vanadium	14		5.8	0.95	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1
Zinc	110		5.8	1.6	mg/Kg	☼	08/19/24 15:00	08/22/24 20:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.058	J	0.14	0.024	mg/Kg	☼	08/19/24 15:00	08/20/24 15:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	22.2		0.1	0.1	%			08/17/24 09:52	1
Percent Solids (SM22 2540G)	77.8		0.1	0.1	%			08/17/24 09:52	1

DRAFT

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

Lab Sample ID: MB 180-477099/1-A
Matrix: Solid
Analysis Batch: 477110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Acenaphthylene	ND		67	15	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Acetophenone	ND		670	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Anthracene	ND		67	17	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Atrazine	ND		670	150	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Benzaldehyde	ND		670	41	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Benzo[a]anthracene	ND		67	30	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Benzo[a]pyrene	ND		67	29	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
1,1'-Biphenyl	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Bis(2-chloroethyl)ether	ND		67	21	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Butyl benzyl phthalate	ND		1700	230	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Caprolactam	ND		1700	220	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Carbazole	ND		67	16	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
4-Chloroaniline	ND		330	88	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2-Chloronaphthalene	ND		67	15	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2-Chlorophenol	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Chrysene	ND		67	37	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Dibenzofuran	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Diethyl phthalate	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Dimethyl phthalate	ND		670	370	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Di-n-butyl phthalate	ND		3300	690	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
1,4-Dioxane	ND		670	210	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Fluoranthene	ND		67	18	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Fluorene	ND		67	13	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Hexachlorobenzene	ND		67	24	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Hexachlorobutadiene	ND		67	20	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Hexachlorocyclopentadiene	ND		330	90	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Hexachloroethane	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Isophorone	ND		330	130	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2-Methylnaphthalene	ND		67	16	ug/Kg		08/20/24 07:12	08/20/24 14:43	1

DRAFT

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

Lab Sample ID: MB 180-477099/1-A
Matrix: Solid
Analysis Batch: 477110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		330	96	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Naphthalene	ND		67	13	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
3-Nitroaniline	ND		1700	85	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
4-Nitroaniline	ND		1700	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Nitrobenzene	ND		670	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2-Nitrophenol	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
4-Nitrophenol	ND		1700	230	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Pentachlorophenol	ND		1700	540	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Phenanthrene	ND		67	18	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Phenol	ND		330	100	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
Pyrene	ND		67	24	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		08/20/24 07:12	08/20/24 14:43	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		08/20/24 07:12	08/20/24 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*08/20/24 07:12*	*08/20/24 14:43*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*08/20/24 07:12*	*08/20/24 14:43*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*08/20/24 07:12*	*08/20/24 14:43*	*1*
Phenol-d5 (Surr)	*51*		*46 - 105*	*08/20/24 07:12*	*08/20/24 14:43*	*1*
Terphenyl-d14 (Surr)	*60*		*39 - 105*	*08/20/24 07:12*	*08/20/24 14:43*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*08/20/24 07:12*	*08/20/24 14:43*	*1*

Lab Sample ID: LCS 180-477099/2-A
Matrix: Solid
Analysis Batch: 477110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4780		ug/Kg		72	50 - 100
Acenaphthylene	6670	4930		ug/Kg		74	52 - 100
Acetophenone	6670	4080		ug/Kg		61	48 - 100
Anthracene	6670	4730		ug/Kg		71	53 - 100
Atrazine	6670	4950		ug/Kg		74	49 - 103
Benzaldehyde	6670	2980		ug/Kg		45	23 - 105
Benzo[a]anthracene	6670	4730		ug/Kg		71	51 - 100
Benzo[a]pyrene	6670	5080		ug/Kg		76	51 - 100
Benzo[b]fluoranthene	6670	4940		ug/Kg		74	48 - 100
Benzo[g,h,i]perylene	6670	5240		ug/Kg		79	48 - 105
Benzo[k]fluoranthene	6670	5430		ug/Kg		82	19 - 100
1,1'-Biphenyl	6670	5120		ug/Kg		77	50 - 100
Bis(2-chloroethoxy)methane	6670	4460		ug/Kg		67	49 - 100
Bis(2-chloroethyl)ether	6670	4000		ug/Kg		60	48 - 100

DRAFT

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

Lab Sample ID: LCS 180-477099/2-A
Matrix: Solid
Analysis Batch: 477110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	6670	4950		ug/Kg		74	53 - 107
4-Bromophenyl phenyl ether	6670	5730		ug/Kg		86	52 - 101
Butyl benzyl phthalate	6670	5070		ug/Kg		76	52 - 107
Caprolactam	6670	3760		ug/Kg		56	48 - 111
Carbazole	6670	4360		ug/Kg		65	53 - 100
4-Chloroaniline	6670	4420		ug/Kg		66	47 - 100
4-Chloro-3-methylphenol	6670	4580		ug/Kg		69	49 - 106
2-Chloronaphthalene	6670	5120		ug/Kg		77	51 - 100
2-Chlorophenol	6670	4580		ug/Kg		69	51 - 100
4-Chlorophenyl phenyl ether	6670	5480		ug/Kg		82	52 - 100
Chrysene	6670	4560		ug/Kg		68	50 - 100
Dibenz(a,h)anthracene	6670	5240		ug/Kg		79	50 - 107
Dibenzofuran	6670	5040		ug/Kg		76	52 - 100
3,3'-Dichlorobenzidine	6670	4110		ug/Kg		62	43 - 100
2,4-Dichlorophenol	6670	5020		ug/Kg		75	53 - 101
Diethyl phthalate	6670	5060		ug/Kg		76	48 - 104
2,4-Dimethylphenol	6670	4920		ug/Kg		74	51 - 101
Dimethyl phthalate	6670	4890		ug/Kg		73	53 - 100
Di-n-butyl phthalate	6670	4670		ug/Kg		70	57 - 102
4,6-Dinitro-2-methylphenol	13300	8700		ug/Kg		65	51 - 100
2,4-Dinitrophenol	13300	8440		ug/Kg		63	33 - 101
2,4-Dinitrotoluene	6670	4560		ug/Kg		68	54 - 104
2,6-Dinitrotoluene	6670	4420		ug/Kg		66	51 - 106
Di-n-octyl phthalate	6670	6150		ug/Kg		92	41 - 106
1,4-Dioxane	6670	4260		ug/Kg		64	25 - 125
Fluoranthene	6670	4840		ug/Kg		73	55 - 100
Fluorene	6670	4860		ug/Kg		73	52 - 100
Hexachlorobenzene	6670	5260		ug/Kg		79	49 - 100
Hexachlorobutadiene	6670	6540		ug/Kg		98	38 - 107
Hexachlorocyclopentadiene	6670	6400		ug/Kg		96	33 - 117
Hexachloroethane	6670	4650		ug/Kg		70	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5460		ug/Kg		82	51 - 103
Isophorone	6670	4140		ug/Kg		62	48 - 105
2-Methylnaphthalene	6670	4800		ug/Kg		72	53 - 100
2-Methylphenol	6670	4370		ug/Kg		65	50 - 101
Methylphenol, 3 & 4	6670	3870		ug/Kg		58	50 - 103
Naphthalene	6670	4710		ug/Kg		71	51 - 100
2-Nitroaniline	6670	4660		ug/Kg		70	42 - 123
3-Nitroaniline	6670	4130		ug/Kg		62	50 - 103
4-Nitroaniline	6670	4140		ug/Kg		62	52 - 103
Nitrobenzene	6670	4550		ug/Kg		68	44 - 108
2-Nitrophenol	6670	4920		ug/Kg		74	55 - 107
4-Nitrophenol	13300	10800		ug/Kg		81	30 - 134
N-Nitrosodi-n-propylamine	6670	4240		ug/Kg		64	45 - 107
N-Nitrosodiphenylamine	6670	4820		ug/Kg		72	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4300		ug/Kg		64	30 - 113
Pentachlorophenol	13300	9420		ug/Kg		71	42 - 110
Phenanthrene	6670	4650		ug/Kg		70	53 - 100
Phenol	6670	4200		ug/Kg		63	49 - 100

DRAFT

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

Lab Sample ID: LCS 180-477099/2-A
Matrix: Solid
Analysis Batch: 477110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	6670	4950		ug/Kg		74	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5960		ug/Kg		89	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4950		ug/Kg		74	47 - 104
2,4,5-Trichlorophenol	6670	5450		ug/Kg		82	50 - 104
2,4,6-Trichlorophenol	6670	5650		ug/Kg		85	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*44 - 105*
2-Fluorophenol (Surr)	*69*		*48 - 105*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*
Phenol-d5 (Surr)	*62*		*46 - 105*
Terphenyl-d14 (Surr)	*67*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*

Lab Sample ID: 180-178532-8 MS
Matrix: Solid
Analysis Batch: 477156

Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Prep Type: Total/NA
Prep Batch: 477099

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7800	5050		ug/Kg	☼	65	50 - 100
Acenaphthylene	ND		7800	5250		ug/Kg	☼	67	52 - 100
Acetophenone	ND		7800	4390		ug/Kg	☼	56	48 - 100
Anthracene	ND		7800	5010		ug/Kg	☼	64	53 - 100
Atrazine	ND		7800	5230		ug/Kg	☼	67	49 - 103
Benzaldehyde	ND	F1	7800	164	J F1	ug/Kg	☼	2	23 - 105
Benzo[a]anthracene	ND		7800	5100		ug/Kg	☼	65	51 - 100
Benzo[a]pyrene	ND		7800	5200		ug/Kg	☼	67	51 - 100
Benzo[b]fluoranthene	ND		7800	5070		ug/Kg	☼	65	48 - 100
Benzo[g,h,i]perylene	ND		7800	5680		ug/Kg	☼	73	48 - 105
Benzo[k]fluoranthene	ND		7800	5020		ug/Kg	☼	64	19 - 100
1,1'-Biphenyl	ND		7800	4880		ug/Kg	☼	63	50 - 100
Bis(2-chloroethoxy)methane	ND		7800	4400		ug/Kg	☼	56	49 - 100
Bis(2-chloroethyl)ether	ND		7800	4290		ug/Kg	☼	55	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7800	5170		ug/Kg	☼	66	53 - 107
4-Bromophenyl phenyl ether	ND		7800	5100		ug/Kg	☼	65	52 - 101
Butyl benzyl phthalate	ND		7800	5310		ug/Kg	☼	68	52 - 107
Caprolactam	ND		7800	4100		ug/Kg	☼	53	48 - 111
Carbazole	ND		7800	4710		ug/Kg	☼	60	53 - 100
4-Chloroaniline	ND		7800	4400		ug/Kg	☼	56	47 - 100
4-Chloro-3-methylphenol	ND		7800	4510		ug/Kg	☼	58	49 - 106
2-Chloronaphthalene	ND		7800	5100		ug/Kg	☼	65	51 - 100
2-Chlorophenol	ND		7800	4810		ug/Kg	☼	62	51 - 100
4-Chlorophenyl phenyl ether	ND		7800	4910		ug/Kg	☼	63	52 - 100
Chrysene	ND		7800	4780		ug/Kg	☼	61	50 - 100
Dibenz(a,h)anthracene	ND		7800	5380		ug/Kg	☼	69	50 - 107
Dibenzofuran	ND		7800	4680		ug/Kg	☼	60	52 - 100
3,3'-Dichlorobenzidine	ND		7800	4560		ug/Kg	☼	58	43 - 100
2,4-Dichlorophenol	ND		7800	4670		ug/Kg	☼	60	53 - 101

DRAFT

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

Lab Sample ID: 180-178532-8 MS
Matrix: Solid
Analysis Batch: 477156

Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Prep Type: Total/NA
Prep Batch: 477099

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	ND		7800	4920		ug/Kg	☼	63	48 - 104
2,4-Dimethylphenol	ND		7800	5810		ug/Kg	☼	74	51 - 101
Dimethyl phthalate	ND		7800	4910		ug/Kg	☼	63	53 - 100
Di-n-butyl phthalate	ND		7800	5310		ug/Kg	☼	68	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	15600	7240	F1	ug/Kg	☼	46	51 - 100
2,4-Dinitrophenol	ND	F1	15600	3520	J F1	ug/Kg	☼	23	33 - 101
2,4-Dinitrotoluene	ND		7800	4980		ug/Kg	☼	64	54 - 104
2,6-Dinitrotoluene	ND		7800	5180		ug/Kg	☼	66	51 - 106
Di-n-octyl phthalate	ND		7800	4480		ug/Kg	☼	57	41 - 106
1,4-Dioxane	ND		7800	3800		ug/Kg	☼	49	25 - 125
Fluoranthene	ND		7800	4760		ug/Kg	☼	61	55 - 100
Fluorene	ND		7800	4830		ug/Kg	☼	62	52 - 100
Hexachlorobenzene	ND		7800	4890		ug/Kg	☼	63	49 - 100
Hexachlorobutadiene	ND		7800	4810		ug/Kg	☼	62	38 - 107
Hexachlorocyclopentadiene	ND		7800	8770		ug/Kg	☼	112	33 - 117
Hexachloroethane	ND		7800	4670		ug/Kg	☼	60	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7800	5350		ug/Kg	☼	69	51 - 103
Isophorone	ND		7800	4980		ug/Kg	☼	64	48 - 105
2-Methylnaphthalene	ND		7800	4160		ug/Kg	☼	53	53 - 100
2-Methylphenol	ND		7800	4670		ug/Kg	☼	60	50 - 101
Methylphenol, 3 & 4	ND		7800	4570		ug/Kg	☼	59	50 - 103
Naphthalene	ND		7800	4630		ug/Kg	☼	59	51 - 100
2-Nitroaniline	ND		7800	5410		ug/Kg	☼	69	42 - 123
3-Nitroaniline	ND		7800	4480		ug/Kg	☼	57	50 - 103
4-Nitroaniline	ND		7800	4810		ug/Kg	☼	62	52 - 103
Nitrobenzene	ND		7800	4960		ug/Kg	☼	64	44 - 108
2-Nitrophenol	ND		7800	4960		ug/Kg	☼	64	55 - 107
4-Nitrophenol	ND		15600	10900		ug/Kg	☼	70	30 - 134
N-Nitrosodi-n-propylamine	ND		7800	4530		ug/Kg	☼	58	45 - 107
N-Nitrosodiphenylamine	ND		7800	4980		ug/Kg	☼	64	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7800	4640		ug/Kg	☼	59	30 - 113
Pentachlorophenol	ND		15600	9000		ug/Kg	☼	58	42 - 110
Phenanthrene	ND		7800	4840		ug/Kg	☼	62	53 - 100
Phenol	ND		7800	4610		ug/Kg	☼	59	49 - 100
Pyrene	ND		7800	5030		ug/Kg	☼	64	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7800	5150		ug/Kg	☼	66	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7800	4730		ug/Kg	☼	61	47 - 104
2,4,5-Trichlorophenol	ND		7800	5050		ug/Kg	☼	65	50 - 104
2,4,6-Trichlorophenol	ND		7800	5150		ug/Kg	☼	66	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*44 - 105*
2-Fluorophenol (Surr)	*65*		*48 - 105*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*
Phenol-d5 (Surr)	*62*		*46 - 105*
Terphenyl-d14 (Surr)	*65*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*

DRAFT

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

Lab Sample ID: 180-178532-8 MSD
Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 477156
Prep Batch: 477099

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7650	5140		ug/Kg	☼	67	50 - 100	2	20
Acenaphthylene	ND		7650	5350		ug/Kg	☼	70	52 - 100	2	20
Acetophenone	ND		7650	4220		ug/Kg	☼	55	48 - 100	4	17
Anthracene	ND		7650	5120		ug/Kg	☼	67	53 - 100	2	20
Atrazine	ND		7650	5230		ug/Kg	☼	68	49 - 103	0	19
Benzaldehyde	ND	F1	7650	168	J F1	ug/Kg	☼	2	23 - 105	3	31
Benzo[a]anthracene	ND		7650	5140		ug/Kg	☼	67	51 - 100	1	21
Benzo[a]pyrene	ND		7650	5190		ug/Kg	☼	68	51 - 100	0	20
Benzo[b]fluoranthene	ND		7650	4870		ug/Kg	☼	64	48 - 100	4	20
Benzo[g,h,i]perylene	ND		7650	5530		ug/Kg	☼	72	48 - 105	3	19
Benzo[k]fluoranthene	ND		7650	4980		ug/Kg	☼	65	19 - 100	1	20
1,1'-Biphenyl	ND		7650	4990		ug/Kg	☼	65	50 - 100	2	19
Bis(2-chloroethoxy)methane	ND		7650	4330		ug/Kg	☼	57	49 - 100	2	20
Bis(2-chloroethyl)ether	ND		7650	3960		ug/Kg	☼	52	48 - 100	8	18
Bis(2-ethylhexyl) phthalate	ND		7650	5230		ug/Kg	☼	68	53 - 107	1	20
4-Bromophenyl phenyl ether	ND		7650	5020		ug/Kg	☼	66	52 - 101	2	20
Butyl benzyl phthalate	ND		7650	5310		ug/Kg	☼	69	52 - 107	0	19
Caprolactam	ND		7650	4380		ug/Kg	☼	57	48 - 111	7	23
Carbazole	ND		7650	4750		ug/Kg	☼	62	53 - 100	1	20
4-Chloroaniline	ND		7650	4480		ug/Kg	☼	59	47 - 100	2	20
4-Chloro-3-methylphenol	ND		7650	4580		ug/Kg	☼	60	49 - 106	1	20
2-Chloronaphthalene	ND		7650	5080		ug/Kg	☼	66	51 - 100	0	20
2-Chlorophenol	ND		7650	4640		ug/Kg	☼	61	51 - 100	4	17
4-Chlorophenyl phenyl ether	ND		7650	4910		ug/Kg	☼	64	52 - 100	0	19
Chrysene	ND		7650	4670		ug/Kg	☼	61	50 - 100	2	20
Dibenz(a,h)anthracene	ND		7650	5220		ug/Kg	☼	68	50 - 107	3	21
Dibenzofuran	ND		7650	4690		ug/Kg	☼	61	52 - 100	0	19
3,3'-Dichlorobenzidine	ND		7650	4760		ug/Kg	☼	62	43 - 100	4	19
2,4-Dichlorophenol	ND		7650	4870		ug/Kg	☼	64	53 - 101	4	22
Diethyl phthalate	ND		7650	4860		ug/Kg	☼	63	48 - 104	1	20
2,4-Dimethylphenol	ND		7650	5820		ug/Kg	☼	76	51 - 101	0	32
Dimethyl phthalate	ND		7650	4910		ug/Kg	☼	64	53 - 100	0	21
Di-n-butyl phthalate	ND		7650	5290		ug/Kg	☼	69	57 - 102	0	20
4,6-Dinitro-2-methylphenol	ND	F1	15300	7440	F1	ug/Kg	☼	49	51 - 100	3	22
2,4-Dinitrophenol	ND	F1	15300	3570	J F1	ug/Kg	☼	23	33 - 101	1	20
2,4-Dinitrotoluene	ND		7650	4990		ug/Kg	☼	65	54 - 104	0	20
2,6-Dinitrotoluene	ND		7650	5050		ug/Kg	☼	66	51 - 106	2	20
Di-n-octyl phthalate	ND		7650	4610		ug/Kg	☼	60	41 - 106	3	18
1,4-Dioxane	ND		7650	3370		ug/Kg	☼	44	25 - 125	12	17
Fluoranthene	ND		7650	4860		ug/Kg	☼	63	55 - 100	2	20
Fluorene	ND		7650	4880		ug/Kg	☼	64	52 - 100	1	19
Hexachlorobenzene	ND		7650	4830		ug/Kg	☼	63	49 - 100	1	20
Hexachlorobutadiene	ND		7650	4920		ug/Kg	☼	64	38 - 107	2	22
Hexachlorocyclopentadiene	ND		7650	8770		ug/Kg	☼	115	33 - 117	0	19
Hexachloroethane	ND		7650	4350		ug/Kg	☼	57	47 - 100	7	17
Indeno[1,2,3-cd]pyrene	ND		7650	5280		ug/Kg	☼	69	51 - 103	1	19
Isophorone	ND		7650	5020		ug/Kg	☼	66	48 - 105	1	20
2-Methylnaphthalene	ND		7650	4210		ug/Kg	☼	55	53 - 100	1	21

DRAFT

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

Lab Sample ID: 180-178532-8 MSD
Matrix: Solid
Analysis Batch: 477156

Client Sample ID: SSHS-SPA4-B5508-ELEV-832-830
Prep Type: Total/NA
Prep Batch: 477099

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7650	4380		ug/Kg	☼	57	50 - 101	6	17
Methylphenol, 3 & 4	ND		7650	4300		ug/Kg	☼	56	50 - 103	6	19
Naphthalene	ND		7650	4730		ug/Kg	☼	62	51 - 100	2	20
2-Nitroaniline	ND		7650	5390		ug/Kg	☼	70	42 - 123	0	19
3-Nitroaniline	ND		7650	4420		ug/Kg	☼	58	50 - 103	1	20
4-Nitroaniline	ND		7650	4850		ug/Kg	☼	63	52 - 103	1	18
Nitrobenzene	ND		7650	5160		ug/Kg	☼	67	44 - 108	4	21
2-Nitrophenol	ND		7650	5240		ug/Kg	☼	68	55 - 107	5	19
4-Nitrophenol	ND		15300	10600		ug/Kg	☼	69	30 - 134	2	18
N-Nitrosodi-n-propylamine	ND		7650	4500		ug/Kg	☼	59	45 - 107	1	18
N-Nitrosodiphenylamine	ND		7650	4980		ug/Kg	☼	65	52 - 100	0	20
2,2'-oxybis[1-chloropropane]	ND		7650	4500		ug/Kg	☼	59	30 - 113	3	17
Pentachlorophenol	ND		15300	8870		ug/Kg	☼	58	42 - 110	1	20
Phenanthrene	ND		7650	4860		ug/Kg	☼	63	53 - 100	0	20
Phenol	ND		7650	4390		ug/Kg	☼	57	49 - 100	5	16
Pyrene	ND		7650	5080		ug/Kg	☼	66	52 - 100	1	20
1,2,4,5-Tetrachlorobenzene	ND		7650	5130		ug/Kg	☼	67	41 - 104	0	21
2,3,4,6-Tetrachlorophenol	ND		7650	4720		ug/Kg	☼	62	47 - 104	0	18
2,4,5-Trichlorophenol	ND		7650	4910		ug/Kg	☼	64	50 - 104	3	21
2,4,6-Trichlorophenol	ND		7650	5140		ug/Kg	☼	67	50 - 105	0	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*44 - 105*
2-Fluorophenol (Surr)	*60*		*48 - 105*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*
Phenol-d5 (Surr)	*58*		*46 - 105*
Terphenyl-d14 (Surr)	*66*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-477101/1-A
Matrix: Solid
Analysis Batch: 477216

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1221	ND		17	5.9	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1232	ND		17	4.1	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1242	ND		17	2.4	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1248	ND		17	4.0	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1254	ND		17	5.0	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1260	ND		17	4.7	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1262	ND		17	5.9	ug/Kg		08/20/24 07:14	08/21/24 22:04	1
PCB-1268	ND		17	2.2	ug/Kg		08/20/24 07:14	08/21/24 22:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*57 - 146*	*08/20/24 07:14*	*08/21/24 22:04*	*1*

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Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-477101/1-A
Matrix: Solid
Analysis Batch: 477216

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 477101

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	79		57 - 146	08/20/24 07:14	08/21/24 22:04	1
Tetrachloro-m-xylene (Surr)	70		60 - 135	08/20/24 07:14	08/21/24 22:04	1
Tetrachloro-m-xylene (Surr)	69		60 - 135	08/20/24 07:14	08/21/24 22:04	1

Lab Sample ID: LCS 180-477101/2-A
Matrix: Solid
Analysis Batch: 477216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 477101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1080		ug/Kg		81	48 - 132
PCB-1260	1330	891		ug/Kg		67	45 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	88		57 - 146
DCB Decachlorobiphenyl (Surr)	91		57 - 146
Tetrachloro-m-xylene (Surr)	85		60 - 135
Tetrachloro-m-xylene (Surr)	87		60 - 135

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-623872/1-A
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.3	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Antimony	ND		2.0	0.36	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Arsenic	ND		1.5	0.32	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Barium	ND		20	0.36	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Beryllium	ND		0.50	0.054	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Cadmium	ND		0.50	0.048	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Calcium	ND		500	36	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Chromium	ND		1.0	0.34	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Cobalt	ND		1.0	0.074	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Copper	ND		2.5	0.24	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Iron	ND		20	6.9	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Lead	ND		1.0	0.28	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Magnesium	ND		500	15	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Manganese	ND		1.5	0.26	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Nickel	ND		4.0	0.50	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Potassium	ND		500	36	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Selenium	ND		2.0	0.47	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Silver	ND		1.0	0.081	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Sodium	ND		500	140	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Thallium	ND		2.0	0.40	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Vanadium	ND		5.0	0.82	mg/Kg		08/19/24 15:00	08/22/24 19:06	1
Zinc	ND		5.0	1.4	mg/Kg		08/19/24 15:00	08/22/24 19:06	1

DRAFT

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

Lab Sample ID: LCS 240-623872/2-A
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	914		mg/Kg		91	80 - 120
Antimony	100	98.2		mg/Kg		98	80 - 120
Arsenic	200	198		mg/Kg		99	80 - 120
Barium	200	193		mg/Kg		96	80 - 120
Beryllium	100	93.6		mg/Kg		94	80 - 120
Cadmium	100	96.4		mg/Kg		96	80 - 120
Calcium	5000	4590		mg/Kg		92	80 - 120
Chromium	100	95.0		mg/Kg		95	80 - 120
Cobalt	100	96.5		mg/Kg		97	80 - 120
Copper	100	93.1		mg/Kg		93	80 - 120
Iron	1000	900		mg/Kg		90	80 - 120
Lead	100	91.5		mg/Kg		91	80 - 120
Magnesium	5000	4490		mg/Kg		90	80 - 120
Manganese	100	92.6		mg/Kg		93	80 - 120
Nickel	100	98.1		mg/Kg		98	80 - 120
Potassium	5000	4980		mg/Kg		100	80 - 120
Selenium	200	195		mg/Kg		98	80 - 120
Silver	10.0	9.36		mg/Kg		94	80 - 120
Sodium	5000	4910		mg/Kg		98	80 - 120
Thallium	200	194		mg/Kg		97	80 - 120
Vanadium	100	91.3		mg/Kg		91	80 - 120
Zinc	100	96.9		mg/Kg		97	80 - 120

Lab Sample ID: 180-178532-1 MS
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850
Prep Type: Total/NA
Prep Batch: 623872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7500		1100	10800	4	mg/Kg	☼	297	75 - 125
Antimony	ND	F1	110	40.8	F1	mg/Kg	☼	37	75 - 125
Arsenic	8.1		219	212		mg/Kg	☼	93	75 - 125
Barium	95		219	303		mg/Kg	☼	95	75 - 125
Beryllium	0.45	J	110	97.7		mg/Kg	☼	89	75 - 125
Cadmium	2.6		110	102		mg/Kg	☼	90	75 - 125
Calcium	8200	F1	5480	12100	F1	mg/Kg	☼	72	75 - 125
Chromium	13		110	113		mg/Kg	☼	91	75 - 125
Cobalt	10		110	118		mg/Kg	☼	98	75 - 125
Copper	26		110	125		mg/Kg	☼	90	75 - 125
Iron	19000		1100	20800	4	mg/Kg	☼	180	75 - 125
Lead	31		110	126		mg/Kg	☼	87	75 - 125
Magnesium	3100		5480	7900		mg/Kg	☼	87	75 - 125
Manganese	460		110	593	4	mg/Kg	☼	122	75 - 125
Nickel	23		110	134		mg/Kg	☼	102	75 - 125
Potassium	740		5480	6240		mg/Kg	☼	100	75 - 125
Selenium	0.81	J	219	201		mg/Kg	☼	91	75 - 125
Silver	ND		11.0	9.75		mg/Kg	☼	89	75 - 125
Sodium	370	J	5480	5470		mg/Kg	☼	93	75 - 125
Thallium	ND	L	219	204		mg/Kg	☼	93	75 - 125
Vanadium	13		110	111		mg/Kg	☼	89	75 - 125

DRAFT

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

Lab Sample ID: 180-178532-1 MS
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850
Prep Type: Total/NA
Prep Batch: 623872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	110		110	240		mg/Kg	☼	119	75 - 125

Lab Sample ID: 180-178532-1 MSD
Matrix: Solid
Analysis Batch: 624484

Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850
Prep Type: Total/NA
Prep Batch: 623872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7500		1100	10800	4	mg/Kg	☼	303	75 - 125	1	20
Antimony	ND	F1	110	42.2	F1	mg/Kg	☼	39	75 - 125	3	20
Arsenic	8.1		219	208		mg/Kg	☼	91	75 - 125	2	20
Barium	95		219	302		mg/Kg	☼	95	75 - 125	0	20
Beryllium	0.45	J	110	96.0		mg/Kg	☼	87	75 - 125	2	20
Cadmium	2.6		110	99.6		mg/Kg	☼	89	75 - 125	2	20
Calcium	8200	F1	5480	13000		mg/Kg	☼	88	75 - 125	7	20
Chromium	13		110	110		mg/Kg	☼	88	75 - 125	3	20
Cobalt	10		110	117		mg/Kg	☼	97	75 - 125	1	20
Copper	26		110	124		mg/Kg	☼	89	75 - 125	1	20
Iron	19000		1100	21200	4	mg/Kg	☼	217	75 - 125	2	20
Lead	31		110	114		mg/Kg	☼	76	75 - 125	10	20
Magnesium	3100		5480	7360		mg/Kg	☼	77	75 - 125	7	20
Manganese	460		110	672	4	mg/Kg	☼	194	75 - 125	12	20
Nickel	23		110	130		mg/Kg	☼	98	75 - 125	3	20
Potassium	740		5480	6140		mg/Kg	☼	99	75 - 125	2	20
Selenium	0.81	J	219	197		mg/Kg	☼	89	75 - 125	2	20
Silver	ND		11.0	9.56		mg/Kg	☼	87	75 - 125	2	20
Sodium	370	J	5480	5410		mg/Kg	☼	92	75 - 125	1	20
Thallium	ND	L	219	203		mg/Kg	☼	93	75 - 125	1	20
Vanadium	13		110	106		mg/Kg	☼	85	75 - 125	4	20
Zinc	110		110	217		mg/Kg	☼	99	75 - 125	10	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 240-623876/1-A
Matrix: Solid
Analysis Batch: 624141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.018	mg/Kg		08/19/24 15:00	08/20/24 15:23	1

Lab Sample ID: LCS 240-623876/2-A
Matrix: Solid
Analysis Batch: 624141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.833	0.786		mg/Kg		94	80 - 120

DRAFT

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

Lab Sample ID: 180-178532-1 MS — **Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 624141 — **Prep Batch: 623876**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.042	J	0.186	0.219		mg/Kg	☼	95	80 - 120		

Lab Sample ID: 180-178532-1 MSD — **Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 624141 — **Prep Batch: 623876**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.042	J	0.186	0.216		mg/Kg	☼	94	80 - 120	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-178532-1 DU — **Client Sample ID: SSHS-SPA4-B5531-ELEV-852-850**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 476980

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	18.5			16.1	F3	%				14	10
Percent Solids	81.5			83.9		%				3	10

Lab Sample ID: 180-178532-9 DU — **Client Sample ID: SSHS-SPA4-DUP-03**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 476980

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16.5			17.0		%				3	10
Percent Solids	83.5			83.0		%				0.6	10

DRAFT

GC/MS Semi VOA

Prep Batch: 477099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-8	SSHS-SPA4-B5508-ELEV-832-830	Total/NA	Solid	3541	
180-178532-9	SSHS-SPA4-DUP-03	Total/NA	Solid	3541	
180-178532-10	SSHS-SPA4-B3823A-ELEV-830-828	Total/NA	Solid	3541	
MB 180-477099/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-477099/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-178532-8 MS	SSHS-SPA4-B5508-ELEV-832-830	Total/NA	Solid	3541	
180-178532-8 MSD	SSHS-SPA4-B5508-ELEV-832-830	Total/NA	Solid	3541	

Analysis Batch: 477110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-477099/1-A	Method Blank	Total/NA	Solid	EPA 8270E	477099
LCS 180-477099/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	477099

Analysis Batch: 477156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-8	SSHS-SPA4-B5508-ELEV-832-830	Total/NA	Solid	EPA 8270E	477099
180-178532-9	SSHS-SPA4-DUP-03	Total/NA	Solid	EPA 8270E	477099
180-178532-10	SSHS-SPA4-B3823A-ELEV-830-828	Total/NA	Solid	EPA 8270E	477099
180-178532-8 MS	SSHS-SPA4-B5508-ELEV-832-830	Total/NA	Solid	EPA 8270E	477099
180-178532-8 MSD	SSHS-SPA4-B5508-ELEV-832-830	Total/NA	Solid	EPA 8270E	477099

GC Semi VOA

Prep Batch: 477101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Total/NA	Solid	3541	
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Total/NA	Solid	3541	
180-178532-13	SSHS-SPA4-DUP-02	Total/NA	Solid	3541	
MB 180-477101/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-477101/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 477216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Total/NA	Solid	EPA 8082A	477101
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Total/NA	Solid	EPA 8082A	477101
180-178532-13	SSHS-SPA4-DUP-02	Total/NA	Solid	EPA 8082A	477101
MB 180-477101/1-A	Method Blank	Total/NA	Solid	EPA 8082A	477101
LCS 180-477101/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	477101

Metals

Prep Batch: 623872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-1	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	3050B	
180-178532-2	SSHS-SPA4-B5531-ELEV-850-848	Total/NA	Solid	3050B	
180-178532-3	SSHS-SPA4-B5531-ELEV-848-846	Total/NA	Solid	3050B	
180-178532-4	SSHS-SPA4-B5531-ELEV-846-844	Total/NA	Solid	3050B	
180-178532-5	SSHS-SPA4-B5531-ELEV-844-842	Total/NA	Solid	3050B	
180-178532-6	SSHS-SPA4-B5083A-ELEV-842-840	Total/NA	Solid	3050B	
180-178532-7	SSHS-SPA4-B5501-ELEV-832-830	Total/NA	Solid	3050B	
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Total/NA	Solid	3050B	
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Total/NA	Solid	3050B	

DRAFT

Metals (Continued)

Prep Batch: 623872 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-13	SSHS-SPA4-DUP-02	Total/NA	Solid	3050B	
180-178532-14	SSHS-SPA4-B5509-ELEV-842-840	Total/NA	Solid	3050B	
180-178532-15	SSHS-SPA4-B5509-ELEV-840-838	Total/NA	Solid	3050B	
MB 240-623872/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-623872/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-178532-1 MS	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	3050B	
180-178532-1 MSD	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	3050B	

Prep Batch: 623876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-1	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	7471B	
180-178532-2	SSHS-SPA4-B5531-ELEV-850-848	Total/NA	Solid	7471B	
180-178532-3	SSHS-SPA4-B5531-ELEV-848-846	Total/NA	Solid	7471B	
180-178532-4	SSHS-SPA4-B5531-ELEV-846-844	Total/NA	Solid	7471B	
180-178532-5	SSHS-SPA4-B5531-ELEV-844-842	Total/NA	Solid	7471B	
180-178532-6	SSHS-SPA4-B5083A-ELEV-842-840	Total/NA	Solid	7471B	
180-178532-7	SSHS-SPA4-B5501-ELEV-832-830	Total/NA	Solid	7471B	
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Total/NA	Solid	7471B	
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Total/NA	Solid	7471B	
180-178532-13	SSHS-SPA4-DUP-02	Total/NA	Solid	7471B	
180-178532-14	SSHS-SPA4-B5509-ELEV-842-840	Total/NA	Solid	7471B	
180-178532-15	SSHS-SPA4-B5509-ELEV-840-838	Total/NA	Solid	7471B	
MB 240-623876/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 240-623876/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-178532-1 MS	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	7471B	
180-178532-1 MSD	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	7471B	

Analysis Batch: 624141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-1	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	7471B	623876
180-178532-2	SSHS-SPA4-B5531-ELEV-850-848	Total/NA	Solid	7471B	623876
180-178532-3	SSHS-SPA4-B5531-ELEV-848-846	Total/NA	Solid	7471B	623876
180-178532-4	SSHS-SPA4-B5531-ELEV-846-844	Total/NA	Solid	7471B	623876
180-178532-5	SSHS-SPA4-B5531-ELEV-844-842	Total/NA	Solid	7471B	623876
180-178532-6	SSHS-SPA4-B5083A-ELEV-842-840	Total/NA	Solid	7471B	623876
180-178532-7	SSHS-SPA4-B5501-ELEV-832-830	Total/NA	Solid	7471B	623876
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Total/NA	Solid	7471B	623876
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Total/NA	Solid	7471B	623876
180-178532-13	SSHS-SPA4-DUP-02	Total/NA	Solid	7471B	623876
180-178532-14	SSHS-SPA4-B5509-ELEV-842-840	Total/NA	Solid	7471B	623876
180-178532-15	SSHS-SPA4-B5509-ELEV-840-838	Total/NA	Solid	7471B	623876
MB 240-623876/1-A	Method Blank	Total/NA	Solid	7471B	623876
LCS 240-623876/2-A	Lab Control Sample	Total/NA	Solid	7471B	623876
180-178532-1 MS	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	7471B	623876
180-178532-1 MSD	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	7471B	623876

Analysis Batch: 624484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-1	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	6010D	623872
180-178532-2	SSHS-SPA4-B5531-ELEV-850-848	Total/NA	Solid	6010D	623872
180-178532-3	SSHS-SPA4-B5531-ELEV-848-846	Total/NA	Solid	6010D	623872

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Metals (Continued)

Analysis Batch: 624484 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-4	SSHS-SPA4-B5531-ELEV-846-844	Total/NA	Solid	6010D	623872
180-178532-5	SSHS-SPA4-B5531-ELEV-844-842	Total/NA	Solid	6010D	623872
180-178532-6	SSHS-SPA4-B5083A-ELEV-842-840	Total/NA	Solid	6010D	623872
180-178532-6	SSHS-SPA4-B5083A-ELEV-842-840	Total/NA	Solid	6010D	623872
180-178532-7	SSHS-SPA4-B5501-ELEV-832-830	Total/NA	Solid	6010D	623872
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Total/NA	Solid	6010D	623872
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Total/NA	Solid	6010D	623872
180-178532-13	SSHS-SPA4-DUP-02	Total/NA	Solid	6010D	623872
180-178532-14	SSHS-SPA4-B5509-ELEV-842-840	Total/NA	Solid	6010D	623872
180-178532-15	SSHS-SPA4-B5509-ELEV-840-838	Total/NA	Solid	6010D	623872
180-178532-15	SSHS-SPA4-B5509-ELEV-840-838	Total/NA	Solid	6010D	623872
MB 240-623872/1-A	Method Blank	Total/NA	Solid	6010D	623872
LCS 240-623872/2-A	Lab Control Sample	Total/NA	Solid	6010D	623872
180-178532-1 MS	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	6010D	623872
180-178532-1 MSD	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	6010D	623872

General Chemistry

Analysis Batch: 476980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-178532-1	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	2540G	
180-178532-2	SSHS-SPA4-B5531-ELEV-850-848	Total/NA	Solid	2540G	
180-178532-3	SSHS-SPA4-B5531-ELEV-848-846	Total/NA	Solid	2540G	
180-178532-4	SSHS-SPA4-B5531-ELEV-846-844	Total/NA	Solid	2540G	
180-178532-5	SSHS-SPA4-B5531-ELEV-844-842	Total/NA	Solid	2540G	
180-178532-6	SSHS-SPA4-B5083A-ELEV-842-840	Total/NA	Solid	2540G	
180-178532-7	SSHS-SPA4-B5501-ELEV-832-830	Total/NA	Solid	2540G	
180-178532-8	SSHS-SPA4-B5508-ELEV-832-830	Total/NA	Solid	2540G	
180-178532-9	SSHS-SPA4-DUP-03	Total/NA	Solid	2540G	
180-178532-10	SSHS-SPA4-B3823A-ELEV-830-828	Total/NA	Solid	2540G	
180-178532-11	SSHS-SPA4-B5509-ELEV-846-844	Total/NA	Solid	2540G	
180-178532-12	SSHS-SPA4-B5509-ELEV-844-842	Total/NA	Solid	2540G	
180-178532-13	SSHS-SPA4-DUP-02	Total/NA	Solid	2540G	
180-178532-14	SSHS-SPA4-B5509-ELEV-842-840	Total/NA	Solid	2540G	
180-178532-15	SSHS-SPA4-B5509-ELEV-840-838	Total/NA	Solid	2540G	
180-178532-1 DU	SSHS-SPA4-B5531-ELEV-852-850	Total/NA	Solid	2540G	
180-178532-9 DU	SSHS-SPA4-DUP-03	Total/NA	Solid	2540G	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No:
	M STELMACH	Dunlap, David A		180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5531-ELEV-852-850	8/15/24	0845	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-850-848	8/15/24	0855	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-848-846	8/15/24	0858	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-846-844	8/15/24	0906	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-844-842	8/15/24	0913	C	Solid	N	N				X	2	
SSHS-SPA4-B5083A-ELEV-842-840	8/15/24	0955	C	Solid	N	N				X	2	
SSHS-SPA4-B5501-ELEV-832-830	8/15/24	1030	C	Solid	N	N				X	2	
SSHS-SPA4-B5508-ELEV-832-830	8/15/24	1330	C	Solid	N	Y		X			4	
SSHS-SPA4-DUP-03	8/15/24	--	C	Solid	N	N		X			2	
SSHS-SPA4-B3823A-ELEV-830-828	8/15/24	1400	C	Solid	N	N		X			2	
SSHS-SPA4-B5509-ELEV-846-844	8/15/24	1410	C	Solid	N	N			X	X	3	
SSHS-SPA4-B5509-ELEV-844-842	8/15/24	1417	C	Solid	N	N			X	X	3	

180-178532 Chain of Custody

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8/22/2024

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by: Miranda Ftdrich	8/15/24/1700	Company: Geosyntec		8/16/24 910	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-DUP-02	8/15/24	--	C	Solid	N	N			X	X	3	
SSHS-SPA4-B5509-ELEV-842-840	8/15/24	1425	C	Solid	N	N				X	2	
SSHS-SPA4-B5509-ELEV-840-838	8/15/24	1437	C	Solid	N	N				X	2	

Page 47 of 51

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Miranda Arbor	8/15/24/1700	Geosyntec		8/16/24 910	Pitt NL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

8/21/2024

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

1 of 9
1 of 8

South Portion A4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-B5531-ELEV-852-850	8/15/24	0845	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-850-848	8/15/24	0855	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-848-846	8/15/24	0858	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-846-844	8/15/24	0906	C	Solid	N	N				X	2	
SSHS-SPA4-B5531-ELEV-844-842	8/15/24	0913	C	Solid	N	N				X	2	
SSHS-SPA4-B5083A-ELEV-842-840	8/15/24	0955	C	Solid	N	N				X	2	
SSHS-SPA4-B5501-ELEV-832-830	8/15/24	1030	C	Solid	N	N				X	2	
SSHS-SPA4-B5508-ELEV-832-830	8/15/24	1330	C	Solid	N	Y		X			4	
SSHS-SPA4-DUP-03	8/15/24	–	C	Solid	N	N		X			2	
SSHS-SPA4-B3823A-ELEV-830-828	8/15/24	1400	C	Solid	N	N		X			2	
SSHS-SPA4-B5509-ELEV-846-844	8/15/24	1410	C	Solid	N	N			X	X	3	
SSHS-SPA4-B5509-ELEV-844-842	8/15/24	1417	C	Solid	N	N			X	X	3	

180-178532 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Miranda Attard	8/15/24/1700	Company: Geosyntec	Received by: KATHARINE MARTIN	Date/Time: 8/16/24 900	Company EUR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A4

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA4-DUP-02	8/15/24	–	C	Solid	N	N			X	X	3	
SSHS-SPA4-B5509-ELEV-842-840	8/15/24	1425	C	Solid	N	N				X	2	
SSHS-SPA4-B5509-ELEV-840-838	8/15/24	1437	C	Solid	N	N				X	2	

MS

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Stahr	8/15/24 1700	Company: Geosyntec	KATHARINE MARTIN	8/16/24 900	EVS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Geosyntec Consultants Site Name _____ Cooler unpacked by:

Cooler Received on 8/16/24 Opened on _____

FedEx. 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 22 (CF -0.1 °C) Observed Cooler Temp. 1.9 °C Corrected Cooler Temp 1.8 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	**Tests that are not checked for pH by Receiving.**
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes) No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	**VOAs**
-Were tamper/custody seals intact and uncompromised?	(Yes) No NA	**Oil and Grease**
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	**TOC**
4. Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12 Are these work share samples and all listed on the COC?	Yes (No)	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No (NA)	pH Strip Lot# HC442471
14. Were VOAs on the COC?	Yes (No)	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No (NA)	
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes (No)	
17 Was a LL Hg or Me Hg trip blank present? _____	Yes (No)	

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

Missing samples for SSHS-SPA4-B5508-ELEV-832-830, SSHS-SPA4-DUP-03, SSHS-SPA4-B3823A-ELEV-830-828
8-16-24 ML

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-178532-1

Login Number: 178532
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/18/2024 12:24:29 PM

JOB DESCRIPTION

Former Sperry Remington-Addendum#5

JOB NUMBER

180-179485-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

DRAFT

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DRAFT

Job ID: 180-179485-1 Eurofins Pittsburgh

Job Narrative
180-179485-1

Comments
At the direction of the client, matrix spike/matrix spike duplicate were to be completed on sample SSHS-A5-B5540-0.17-2 (180-179485-1). Notation regarding this was made to the COC.

Receipt
The samples were received on 9/24/2024 at the Eurofins Pittsburgh, PA laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

GC Semi VOA
Method 8082A: Sample SSHS-A5-EB1 (180-179485-8) had the recoveries of surrogate tetrachloro-m-xylene below the control limits on both columns. The recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: The RPD between the matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-A5-B5540-0.17-2 (180-179485-1) was above the control limits for aroclors 1016 and 1260. The recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-478672 (CCV 180-478672/1) was below criteria for aroclor 1254 on column RTX-CLP1. Results are confirmed on both columns and detections were reported from the column that met criteria. Aroclor 1254 was not detected in the associated sample on either column.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-478672 (CCVIS 180-478672/26) was below criteria for aroclor 1016 on column RTX-CLP1. Results are confirmed on both columns and detections were reported from the column that met criteria. Aroclor 1016 was not detected in the associated sample on either column.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-478672 (CCVIS 180-478672/26) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP1.

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

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

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Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-1
Project/Site: Former Sperry Remington-Addendum#5

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

DRAFT

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-1
Project/Site: Former Sperry Remington-Addendum#5

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-1
Project/Site: Former Sperry Remington-Addendum#5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-179485-1	SSHS-A5-B5540-0.17-2	Solid	09/06/24 10:55	09/07/24 09:45
180-179485-2	SSHS-A5-B5541-0.17-2	Solid	09/06/24 11:22	09/07/24 09:45
180-179485-3	SSHS-A5-B5542-0.17-2	Solid	09/06/24 11:50	09/07/24 09:45
180-179485-8	SSHS-A5-EB1	Water	09/06/24 16:00	09/07/24 09:45

DRAFT

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-1
Project/Site: Former Sperry Remington-Addendum#5

Method	Method Description	Protocol	Laboratory
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-179485-1
Project/Site: Former Sperry Remington-Addendum#5

Client Sample ID: SSHS-A5-B5540-0.17-2
Lab Sample ID: 180-179485-1
Date Collected: 09/06/24 10:55
Matrix: Solid
Date Received: 09/07/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			478721	09/10/24 11:06	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-A5-B5540-0.17-2
Lab Sample ID: 180-179485-1
Date Collected: 09/06/24 10:55
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.03 g	20.0 mL	478991	09/12/24 11:19	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	479201	09/16/24 16:55	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-A5-B5541-0.17-2
Lab Sample ID: 180-179485-2
Date Collected: 09/06/24 11:22
Matrix: Solid
Date Received: 09/07/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			478721	09/10/24 11:06	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-A5-B5541-0.17-2
Lab Sample ID: 180-179485-2
Date Collected: 09/06/24 11:22
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.03 g	20.0 mL	478991	09/12/24 11:19	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	479201	09/16/24 20:58	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-A5-B5542-0.17-2
Lab Sample ID: 180-179485-3
Date Collected: 09/06/24 11:50
Matrix: Solid
Date Received: 09/07/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			478721	09/10/24 11:06	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-A5-B5542-0.17-2
Lab Sample ID: 180-179485-3
Date Collected: 09/06/24 11:50
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.01 g	20.0 mL	478991	09/12/24 11:19	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	479201	09/16/24 21:16	JMO	EET PIT
	Instrument ID: CHGC16									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-179485-1
Project/Site: Former Sperry Remington-Addendum#5

Client Sample ID: SSHS-A5-EB1
Lab Sample ID: 180-179485-8

Date Collected: 09/06/24 16:00
Matrix: Water

Date Received: 09/07/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			250 mL	10.0 mL	478694	09/10/24 08:45	KAV	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	478672	09/11/24 00:40	JMO	EET PIT
	Instrument ID: CHGC20									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Prep

KAV = Katelyn Voss

MKK = Mary Kenny

Batch Type: Analysis

CMC = Candace California

JMO = John Oravec

DRAFT

Client Sample ID: SSHS-A5-B5540-0.17-2
Lab Sample ID: 180-179485-1

Date Collected: 09/06/24 10:55
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 93.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	18	5.8	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1221	ND		18	6.3	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1232	ND		18	4.3	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1242	ND		18	2.6	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1248	**490**		18	4.3	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1254	**220**		18	5.3	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1260	**37**	**F2**	18	5.0	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1262	ND		18	6.2	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1
PCB-1268	ND		18	2.4	ug/Kg	☼	09/12/24 11:19	09/16/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*57 - 146*	*09/12/24 11:19*	*09/16/24 16:55*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*57 - 146*	*09/12/24 11:19*	*09/16/24 16:55*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*60 - 135*	*09/12/24 11:19*	*09/16/24 16:55*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*60 - 135*	*09/12/24 11:19*	*09/16/24 16:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.1**		0.1	0.1	%			09/10/24 11:06	1
Percent Solids (SM22 2540G)	**93.9**		0.1	0.1	%			09/10/24 11:06	1

Client Sample ID: SSHS-A5-B5541-0.17-2
Lab Sample ID: 180-179485-2

Date Collected: 09/06/24 11:22
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 92.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1221	ND		18	6.4	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1232	ND		18	4.4	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1242	ND		18	2.6	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1248	ND		18	4.3	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1254	**8.3**	**J**	18	5.4	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1260	ND		18	5.1	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1262	ND		18	6.3	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1
PCB-1268	ND		18	2.4	ug/Kg	☼	09/12/24 11:19	09/16/24 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*57 - 146*	*09/12/24 11:19*	*09/16/24 20:58*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*57 - 146*	*09/12/24 11:19*	*09/16/24 20:58*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*60 - 135*	*09/12/24 11:19*	*09/16/24 20:58*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*60 - 135*	*09/12/24 11:19*	*09/16/24 20:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.6**		0.1	0.1	%			09/10/24 11:06	1
Percent Solids (SM22 2540G)	**92.4**		0.1	0.1	%			09/10/24 11:06	1

DRAFT

Client Sample ID: SSHS-A5-B5542-0.17-2
Lab Sample ID: 180-179485-3

Date Collected: 09/06/24 11:50
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 92.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1221	ND		18	6.4	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1232	ND		18	4.4	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1242	ND		18	2.7	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1248	**1300**		18	4.3	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1254	**570**		18	5.4	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1260	**110**		18	5.1	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1262	ND		18	6.4	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1
PCB-1268	ND		18	2.4	ug/Kg	☼	09/12/24 11:19	09/16/24 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*57 - 146*	*09/12/24 11:19*	*09/16/24 21:16*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*57 - 146*	*09/12/24 11:19*	*09/16/24 21:16*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*60 - 135*	*09/12/24 11:19*	*09/16/24 21:16*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*60 - 135*	*09/12/24 11:19*	*09/16/24 21:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.0**		0.1	0.1	%			09/10/24 11:06	1
Percent Solids (SM22 2540G)	**92.0**		0.1	0.1	%			09/10/24 11:06	1

Client Sample ID: SSHS-A5-EB1
Lab Sample ID: 180-179485-8

Date Collected: 09/06/24 16:00
Matrix: Water
Date Received: 09/07/24 09:45

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.19	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1221	ND		0.40	0.23	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1232	ND		0.40	0.21	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1242	ND		0.40	0.14	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1248	ND		0.40	0.32	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1254	ND		0.40	0.18	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1260	ND		0.40	0.16	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1262	ND		0.40	0.28	ug/L		09/10/24 08:45	09/11/24 00:40	1
PCB-1268	ND		0.40	0.18	ug/L		09/10/24 08:45	09/11/24 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*58 - 137*	*09/10/24 08:45*	*09/11/24 00:40*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*58 - 137*	*09/10/24 08:45*	*09/11/24 00:40*	*1*
Tetrachloro-m-xylene (Surr)	*58*	*S1-*	*62 - 128*	*09/10/24 08:45*	*09/11/24 00:40*	*1*
Tetrachloro-m-xylene (Surr)	*58*	*S1-*	*62 - 128*	*09/10/24 08:45*	*09/11/24 00:40*	*1*

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-478694/1-A
Matrix: Water
Analysis Batch: 478672

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 478694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.19	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1221	ND		0.40	0.23	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1232	ND		0.40	0.21	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1242	ND		0.40	0.14	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1248	ND		0.40	0.32	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1254	ND		0.40	0.18	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1260	ND		0.40	0.16	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1262	ND		0.40	0.28	ug/L		09/10/24 08:45	09/10/24 23:12	1
PCB-1268	ND		0.40	0.18	ug/L		09/10/24 08:45	09/10/24 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*58 - 137*	*09/10/24 08:45*	*09/10/24 23:12*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*58 - 137*	*09/10/24 08:45*	*09/10/24 23:12*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*62 - 128*	*09/10/24 08:45*	*09/10/24 23:12*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*62 - 128*	*09/10/24 08:45*	*09/10/24 23:12*	*1*

Lab Sample ID: LCS 180-478694/2-A
Matrix: Water
Analysis Batch: 478672

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 478694

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			40.0	30.6		ug/L		76	46 - 126		
PCB-1260			40.0	30.8		ug/L		77	51 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*58 - 137*
DCB Decachlorobiphenyl (Surr)	*83*		*58 - 137*
Tetrachloro-m-xylene (Surr)	*87*		*62 - 128*
Tetrachloro-m-xylene (Surr)	*86*		*62 - 128*

Lab Sample ID: LCSD 180-478694/3-A
Matrix: Water
Analysis Batch: 478672

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 478694

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			40.0	29.6		ug/L		74	46 - 126	3	21
PCB-1260			40.0	30.2		ug/L		76	51 - 115	2	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*58 - 137*
DCB Decachlorobiphenyl (Surr)	*83*		*58 - 137*
Tetrachloro-m-xylene (Surr)	*79*		*62 - 128*
Tetrachloro-m-xylene (Surr)	*84*		*62 - 128*

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-478991/1-A
Matrix: Solid
Analysis Batch: 479201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 478991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1221	ND		17	5.9	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1232	ND		17	4.1	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1242	ND		17	2.4	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1248	ND		17	4.0	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1254	ND		17	5.0	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1260	ND		17	4.7	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1262	ND		17	5.9	ug/Kg		09/12/24 11:19	09/16/24 14:07	1
PCB-1268	ND		17	2.2	ug/Kg		09/12/24 11:19	09/16/24 14:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*57 - 146*	*09/12/24 11:19*	*09/16/24 14:07*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*57 - 146*	*09/12/24 11:19*	*09/16/24 14:07*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*60 - 135*	*09/12/24 11:19*	*09/16/24 14:07*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*60 - 135*	*09/12/24 11:19*	*09/16/24 14:07*	*1*

Lab Sample ID: LCS 180-478991/2-A
Matrix: Solid
Analysis Batch: 479201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 478991

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	986		ug/Kg		74	48 - 132		
PCB-1260			1330	986		ug/Kg		74	45 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*83*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*81*		*60 - 135*

Lab Sample ID: 180-179485-1 MS
Matrix: Solid
Analysis Batch: 479201

Client Sample ID: SSHS-A5-B5540-0.17-2
Prep Type: Total/NA
Prep Batch: 478991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND	F2	1420	984		ug/Kg	☼	69	48 - 132		
PCB-1260	37	F2	1420	909		ug/Kg	☼	61	45 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*71*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*74*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*78*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*73*		*60 - 135*

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-179485-1 MSD
Client Sample ID: SSHS-A5-B5540-0.17-2
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 479201
Prep Batch: 478991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F2	1420	1380	F2	ug/Kg	☼	98	48 - 132	34	25
PCB-1260	37	F2	1420	1150	F2	ug/Kg	☼	79	45 - 128	24	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*89*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*91*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*98*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*94*		*60 - 135*

DRAFT

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-1
Project/Site: Former Sperry Remington-Addendum#5

GC Semi VOA

Analysis Batch: 478672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-8	SSHS-A5-EB1	Total/NA	Water	EPA 8082A	478694
MB 180-478694/1-A	Method Blank	Total/NA	Water	EPA 8082A	478694
LCS 180-478694/2-A	Lab Control Sample	Total/NA	Water	EPA 8082A	478694
LCSD 180-478694/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8082A	478694

Prep Batch: 478694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-8	SSHS-A5-EB1	Total/NA	Water	3510C	
MB 180-478694/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-478694/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-478694/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 478991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-1	SSHS-A5-B5540-0.17-2	Total/NA	Solid	3541	
180-179485-2	SSHS-A5-B5541-0.17-2	Total/NA	Solid	3541	
180-179485-3	SSHS-A5-B5542-0.17-2	Total/NA	Solid	3541	
MB 180-478991/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-478991/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-179485-1 MS	SSHS-A5-B5540-0.17-2	Total/NA	Solid	3541	
180-179485-1 MSD	SSHS-A5-B5540-0.17-2	Total/NA	Solid	3541	

Analysis Batch: 479201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-1	SSHS-A5-B5540-0.17-2	Total/NA	Solid	EPA 8082A	478991
180-179485-2	SSHS-A5-B5541-0.17-2	Total/NA	Solid	EPA 8082A	478991
180-179485-3	SSHS-A5-B5542-0.17-2	Total/NA	Solid	EPA 8082A	478991
MB 180-478991/1-A	Method Blank	Total/NA	Solid	EPA 8082A	478991
LCS 180-478991/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	478991
180-179485-1 MS	SSHS-A5-B5540-0.17-2	Total/NA	Solid	EPA 8082A	478991
180-179485-1 MSD	SSHS-A5-B5540-0.17-2	Total/NA	Solid	EPA 8082A	478991

General Chemistry

Analysis Batch: 478721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-1	SSHS-A5-B5540-0.17-2	Total/NA	Solid	2540G	
180-179485-2	SSHS-A5-B5541-0.17-2	Total/NA	Solid	2540G	
180-179485-3	SSHS-A5-B5542-0.17-2	Total/NA	Solid	2540G	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Norfolk Southern

eurofins

Client Information	Sampler: J POMERANTZ AND W PETERS	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832K3/04/01			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-A5-B5540-0.17-2 as discussed with Miranda Stelmach, do MS/MSD on B5440, not B5544 D. Dunlap 9/7/24	9/6/24	1055	C	Solid	N	N			X		2	
SSHS-A5-B5541-0.17-2	9/6/24	1122	C	Solid	N	N			X		2	
SSHS-A5-B5542-0.17-2	9/6/24	1150	C	Solid	N	N			X		2	
SSHS-A5-B5543-0.17-2	9/6/24	1230	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-B5544-0.17-2	9/6/24	1310	C	Solid	N	Y			X		4	HOLD PCBS
SSHS-A5-B5545-0.17-2	9/6/24	1340	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-DUP1	9/6/24	–	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-EB1	9/6/24	1600	C	Solid	N	N			X		2	
				MS								

180-179485 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
Mucaid	9/6/24 1630	Geosyntec		09/07/24 0945	EPHC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

9/10/2024

Ver 01/16/2019

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-179485-1

Login Number: 179485
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/30/2024 2:28:14 PM

JOB DESCRIPTION

Former Sperry Remington-Addendum#5

JOB NUMBER

180-179485-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

DRAFT

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DRAFT

Job ID: 180-179485-2 Eurofins Pittsburgh

Job Narrative
180-179485-2

Comments
At the direction of the client, matrix spike/matrix spike duplicate were to be completed on sample SSHS-A5-B5540-0.17-2 (180-179485-1). Notation regarding this was made to the COC.

This report contains the results of samples SSHS-A5-B5545-0.17-2 (180-179485-6) and SSHS-A5-DUP1 (180-179485-7) activated for analysis on 9/18/24.

Receipt
The samples were received on 9/7/2024 at the Eurofins Pittsburgh, PA laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

GC Semi VOA
Method 8082A: The laboratory control sample (LCS 180-479610/2-A) had the recovery of surrogate decachlorobiphenyl above the control limits on column RTX-CLP2 due to matrix interference from the sample analyzed immediately prior to the LCS. The recovery on column RTX-CLP1 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-479675 (CCVIS 180-479675/5) was above criteria for surrogate decachlorobiphenyl on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

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

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

DRAFT

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-2
Project/Site: Former Sperry Remington-Addendum#5

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

DRAFT

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-2
Project/Site: Former Sperry Remington-Addendum#5

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

DRAFT

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-2
Project/Site: Former Sperry Remington-Addendum#5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-179485-6	SSHS-A5-B5545-0.17-2	Solid	09/06/24 13:40	09/07/24 09:45
180-179485-7	SSHS-A5-DUP1	Solid	09/06/24 00:00	09/07/24 09:45

DRAFT

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-2
Project/Site: Former Sperry Remington-Addendum#5

Method	Method Description	Protocol	Laboratory
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-179485-2
Project/Site: Former Sperry Remington-Addendum#5

Client Sample ID: SSHS-A5-B5545-0.17-2
Lab Sample ID: 180-179485-6
Date Collected: 09/06/24 13:40
Matrix: Solid
Date Received: 09/07/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			479658	09/19/24 18:21	RAO	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-A5-B5545-0.17-2
Lab Sample ID: 180-179485-6
Date Collected: 09/06/24 13:40
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.09 g	20.0 mL	479610	09/19/24 11:08	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	479675	09/20/24 13:29	JMO	EET PIT
	Instrument ID: CHGC8									

Client Sample ID: SSHS-A5-DUP1
Lab Sample ID: 180-179485-7
Date Collected: 09/06/24 00:00
Matrix: Solid
Date Received: 09/07/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			479658	09/19/24 18:21	RAO	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-A5-DUP1
Lab Sample ID: 180-179485-7
Date Collected: 09/06/24 00:00
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.03 g	20.0 mL	479610	09/19/24 11:08	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	479675	09/20/24 14:23	JMO	EET PIT
	Instrument ID: CHGC8									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:
Lab: EET PIT
Batch Type: Prep
DVC = Daniel Capodanno
Batch Type: Analysis
JMO = John Oravec
RAO = Rachel Oster

DRAFT

Client Sample ID: SSHS-A5-B5545-0.17-2
Lab Sample ID: 180-179485-6

Date Collected: 09/06/24 13:40
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 92.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1221	ND		18	6.3	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1232	ND		18	4.3	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1242	ND		18	2.6	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1248	**2300**		18	4.3	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1254	**950**		18	5.4	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1260	**180**		18	5.1	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1262	ND		18	6.3	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1
PCB-1268	ND		18	2.4	ug/Kg	☼	09/19/24 11:08	09/20/24 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*57 - 146*	*09/19/24 11:08*	*09/20/24 13:29*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*57 - 146*	*09/19/24 11:08*	*09/20/24 13:29*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*60 - 135*	*09/19/24 11:08*	*09/20/24 13:29*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*60 - 135*	*09/19/24 11:08*	*09/20/24 13:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.2**		0.1	0.1	%			09/19/24 18:21	1
Percent Solids (SM22 2540G)	**92.8**		0.1	0.1	%			09/19/24 18:21	1

Client Sample ID: SSHS-A5-DUP1
Lab Sample ID: 180-179485-7

Date Collected: 09/06/24 00:00
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 93.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1221	ND		18	6.3	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1232	ND		18	4.3	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1242	ND		18	2.6	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1248	**3600**		18	4.3	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1254	**2100**		18	5.3	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1260	**270**		18	5.0	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1262	ND		18	6.2	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1
PCB-1268	ND		18	2.4	ug/Kg	☼	09/19/24 11:08	09/20/24 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*57 - 146*	*09/19/24 11:08*	*09/20/24 14:23*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*57 - 146*	*09/19/24 11:08*	*09/20/24 14:23*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*60 - 135*	*09/19/24 11:08*	*09/20/24 14:23*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*60 - 135*	*09/19/24 11:08*	*09/20/24 14:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.3**		0.1	0.1	%			09/19/24 18:21	1
Percent Solids (SM22 2540G)	**93.7**		0.1	0.1	%			09/19/24 18:21	1

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-479610/1-A
Matrix: Solid
Analysis Batch: 479675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 479610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1221	ND		17	5.9	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1232	ND		17	4.1	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1242	ND		17	2.4	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1248	ND		17	4.0	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1254	ND		17	5.0	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1260	ND		17	4.7	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1262	ND		17	5.9	ug/Kg		09/19/24 11:08	09/20/24 13:11	1
PCB-1268	ND		17	2.2	ug/Kg		09/19/24 11:08	09/20/24 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*57 - 146*	*09/19/24 11:08*	*09/20/24 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*123*		*57 - 146*	*09/19/24 11:08*	*09/20/24 13:11*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*60 - 135*	*09/19/24 11:08*	*09/20/24 13:11*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*60 - 135*	*09/19/24 11:08*	*09/20/24 13:11*	*1*

Lab Sample ID: LCS 180-479610/2-A
Matrix: Solid
Analysis Batch: 479675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 479610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1240		ug/Kg		93	48 - 132		
PCB-1260			1330	1110		ug/Kg		84	45 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*	*p*	*57 - 146*
DCB Decachlorobiphenyl (Surr)	*151*	*S1+*	*57 - 146*
Tetrachloro-m-xylene (Surr)	*88*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*102*		*60 - 135*

Lab Sample ID: 180-179485-6 MS
Matrix: Solid
Analysis Batch: 479675

Client Sample ID: SSHS-A5-B5545-0.17-2
Prep Type: Total/NA
Prep Batch: 479610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1430	1540		ug/Kg	☼	108	48 - 132		
PCB-1260	180		1430	1160		ug/Kg	☼	69	45 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*95*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*100*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*85*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*98*		*60 - 135*

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-179485-6 MSD
Client Sample ID: SSHS-A5-B5545-0.17-2
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 479675
Prep Batch: 479610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1430	1590		ug/Kg	☼	111	48 - 132	3	25
PCB-1260	180		1430	1190		ug/Kg	☼	71	45 - 128	3	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*95*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*107*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*89*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*60 - 135*

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QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-2
Project/Site: Former Sperry Remington-Addendum#5

GC Semi VOA

Prep Batch: 479610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-6	SSHS-A5-B5545-0.17-2	Total/NA	Solid	3541	
180-179485-7	SSHS-A5-DUP1	Total/NA	Solid	3541	
MB 180-479610/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-479610/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-179485-6 MS	SSHS-A5-B5545-0.17-2	Total/NA	Solid	3541	
180-179485-6 MSD	SSHS-A5-B5545-0.17-2	Total/NA	Solid	3541	

Analysis Batch: 479675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-6	SSHS-A5-B5545-0.17-2	Total/NA	Solid	EPA 8082A	479610
180-179485-7	SSHS-A5-DUP1	Total/NA	Solid	EPA 8082A	479610
MB 180-479610/1-A	Method Blank	Total/NA	Solid	EPA 8082A	479610
LCS 180-479610/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	479610
180-179485-6 MS	SSHS-A5-B5545-0.17-2	Total/NA	Solid	EPA 8082A	479610
180-179485-6 MSD	SSHS-A5-B5545-0.17-2	Total/NA	Solid	EPA 8082A	479610

General Chemistry

Analysis Batch: 479658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-6	SSHS-A5-B5545-0.17-2	Total/NA	Solid	2540G	
180-179485-7	SSHS-A5-DUP1	Total/NA	Solid	2540G	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Norfolk Southern

eurofins

Client Information	Sampler: J POMERANTZ AND W PETERS	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832K3/04/01			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-A5-B5540-0.17-2 as discussed with Miranda Stelmach, do MS/MSD on B5440, not B5544 D. Dunlap 9/7/24	9/6/24	1055	C	Solid	N	N			X		2	
SSHS-A5-B5541-0.17-2	9/6/24	1122	C	Solid	N	N			X		2	
SSHS-A5-B5542-0.17-2	9/6/24	1150	C	Solid	N	N			X		2	
SSHS-A5-B5543-0.17-2 cancel as per Stephen Perdziola on 9/30/24 D. Dunlap 9/30/24	9/6/24	1230	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-B5544-0.17-2 activate as per Stephen Perdziola on 9/30/24 D. Dunlap 9/30/24	9/6/24	1310	C	Solid	N	Y			X		4	HOLD PCBS
SSHS-A5-B5545-0.17-2 activate as per Stephen Perdziola on 9/18/24 D. Dunlap 9/18/24	9/6/24	1340	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-DUP1 activate as per Stephen Perdziola on 9/18/24 D. Dunlap 9/18/24	9/6/24	–	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-EB1	9/6/24	1600	C	Solid	N	N			X		2	

MS

180-179485 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by: Miranda	Date/Time: 9/16/24 1630	Company: Geosyntec	Received by:	Date/Time: 09/07/24 0945	Company: EPHC
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
9/30/2024	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-179485-2

Login Number: 179485
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/10/2024 2:37:47 PM

JOB DESCRIPTION

Former Sperry Remington-Addendum#5

JOB NUMBER

180-179485-3

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job Narrative
180-179485-3

Comments
At the direction of the client, matrix spike/matrix spike duplicate were to be completed on sample SSHS-A5-B5540-0.17-2 (180-179485-1). Notation regarding this was made to the COC.

This report contains the results of sample SSHS-A5-B5544-0.17-2 (180-179485-5) activated for analysis on 9/30/24. Sample SSHS-A5-B5543-0.17-2 (180-179485-5) was cancelled on 9/30/24.

Receipt
The samples were received on 9/7/2024 at the Eurofins Pittsburgh, PA laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-481330 (CCVIS 180-481330/26) was below criteria for aroclor 1016 on column RTX-CLP1. Results are confirmed on both columns and detections were reported from the column that met criteria. Aroclor 1016 was not detected in the associated sample on either column.

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

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

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-3
Project/Site: Former Sperry Remington-Addendum#5

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-3
Project/Site: Former Sperry Remington-Addendum#5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-179485-5	SSHS-A5-B5544-0.17-2	Solid	09/06/24 13:10	09/07/24 09:45

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-179485-3
Project/Site: Former Sperry Remington-Addendum#5

Method	Method Description	Protocol	Laboratory
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-179485-3
Project/Site: Former Sperry Remington-Addendum#5

Client Sample ID: SSHS-A5-B5544-0.17-2
Lab Sample ID: 180-179485-5
Date Collected: 09/06/24 13:10
Matrix: Solid
Date Received: 09/07/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			481073	10/04/24 17:24	RAO	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-A5-B5544-0.17-2
Lab Sample ID: 180-179485-5
Date Collected: 09/06/24 13:10
Matrix: Solid
Date Received: 09/07/24 09:45
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	481090	10/05/24 12:57	VJC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	481330	10/09/24 18:53	JMO	EET PIT
	Instrument ID: CHGC8									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

JMO = John Oravec

RAO = Rachel Oster

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Addendum#5

Job ID: 180-179485-3

Client Sample ID: SSHS-A5-B5544-0.17-2
Date Collected: 09/06/24 13:10
Date Received: 09/07/24 09:45

Lab Sample ID: 180-179485-5
Matrix: Solid
Percent Solids: 91.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1221	ND		18	6.3	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1232	ND		18	4.4	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1248	**100**		18	4.3	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1254	ND		18	5.4	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1260	ND		18	5.1	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1262	ND		18	6.3	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/24 12:57	10/09/24 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*	*10/05/24 12:57*	*10/09/24 18:53*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*57 - 146*	*10/05/24 12:57*	*10/09/24 18:53*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*60 - 135*	*10/05/24 12:57*	*10/09/24 18:53*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*60 - 135*	*10/05/24 12:57*	*10/09/24 18:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.2**		0.1	0.1	%			10/04/24 17:24	1
Percent Solids (SM22 2540G)	**91.8**		0.1	0.1	%			10/04/24 17:24	1

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-481090/1-A
Matrix: Solid
Analysis Batch: 481330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 481090

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1221	ND		17	5.9	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1232	ND		17	4.1	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1242	ND		17	2.4	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1248	ND		17	4.0	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1254	ND		17	5.0	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1260	ND		17	4.7	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1262	ND		17	5.9	ug/Kg		10/05/24 12:57	10/09/24 14:05	1
PCB-1268	ND		17	2.2	ug/Kg		10/05/24 12:57	10/09/24 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*57 - 146*	*10/05/24 12:57*	*10/09/24 14:05*	*1*
DCB Decachlorobiphenyl (Surr)	*120*		*57 - 146*	*10/05/24 12:57*	*10/09/24 14:05*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*60 - 135*	*10/05/24 12:57*	*10/09/24 14:05*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*60 - 135*	*10/05/24 12:57*	*10/09/24 14:05*	*1*

Lab Sample ID: LCS 180-481090/2-A
Matrix: Solid
Analysis Batch: 481330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481090

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1290		ug/Kg		97	48 - 132		
PCB-1260			1330	1170		ug/Kg		88	45 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*108*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*123*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*93*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*107*		*60 - 135*

Lab Sample ID: LCSD 180-481090/3-A
Matrix: Solid
Analysis Batch: 481330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 481090

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1360		ug/Kg		102	48 - 132	5	25
PCB-1260			1330	1150		ug/Kg		86	45 - 128	2	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*103*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*115*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*99*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*113*		*60 - 135*

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GC Semi VOA

Prep Batch: 481090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-5	SSHS-A5-B5544-0.17-2	Total/NA	Solid	3541	
MB 180-481090/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-481090/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-481090/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 481330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-5	SSHS-A5-B5544-0.17-2	Total/NA	Solid	EPA 8082A	481090
MB 180-481090/1-A	Method Blank	Total/NA	Solid	EPA 8082A	481090
LCS 180-481090/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	481090
LCSD 180-481090/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	481090

General Chemistry

Analysis Batch: 481073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-179485-5	SSHS-A5-B5544-0.17-2	Total/NA	Solid	2540G	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Norfolk Southern

eurofins

Client Information	Sampler: J POMERANTZ AND W PETERS	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832K3/04/01			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - SOM01.2 TCL Volatiles	8270E - SOM01.2 TCL Semivolatiles & 1,4-Dioxane	8082A - SOM01.2 TCL PCBs	6010D/7471B - TAL Metals/Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-A5-B5540-0.17-2 as discussed with Miranda Stelmach, do MS/MSD on B5440, not B5544 D. Dunlap 9/7/24	9/6/24	1055	C	Solid	N	N			X		2	
SSHS-A5-B5541-0.17-2	9/6/24	1122	C	Solid	N	N			X		2	
SSHS-A5-B5542-0.17-2	9/6/24	1150	C	Solid	N	N			X		2	
SSHS-A5-B5543-0.17-2 cancel as per Stephen Perdziola on 9/30/24 D. Dunlap 9/30/24	9/6/24	1230	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-B5544-0.17-2 activate as per Stephen Perdziola on 9/30/24 D. Dunlap 9/30/24	9/6/24	1310	C	Solid	N	Y			X		4	HOLD PCBS
SSHS-A5-B5545-0.17-2 activate as per Stephen Perdziola on 9/18/24 D. Dunlap 9/18/24	9/6/24	1340	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-DUP1 activate as per Stephen Perdziola on 9/18/24 D. Dunlap 9/18/24	9/6/24	–	C	Solid	N	N			X		2	HOLD PCBS
SSHS-A5-EB1	9/6/24	1600	C	Solid	N	N			X		2	

MS

180-179485 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Miranda	9/16/24 1630	Geosyntec		09/07/24 0945	EPHC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-179485-3

Login Number: 179485
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/13/2024 12:08:05 PM

JOB DESCRIPTION

Former Sperry Remington-South Portion, Addendum#6

JOB NUMBER

180-183884-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

DRAFT

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Job ID: 180-183884-1 Eurofins Pittsburgh

Job Narrative
180-183884-1

Comments
The results for the samples on hold, SSHS-SPA6-B5503A-ELEV-840-838 (180-183884-2) and SSHS-SPA6-B65A-ELEV-836-834 (180-183884-4), will be reported in laboratory job# 180-183884-2.

Receipt
The samples were received on 12/10/2024 at the Cleveland (Barberton), OH laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

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

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

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Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Laboratory: Eurofins Cleveland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-183884-1	SSHS-SPA6-B5503A-ELEV-842-840	Solid	12/07/24 16:00	12/10/24 09:30
180-183884-3	SSHS-SPA6-B65A-ELEV-838-836	Solid	12/07/24 15:15	12/10/24 09:30
180-183884-5	SSHS-SPA6-B537A-ELEV-836-834	Solid	12/07/24 14:33	12/10/24 09:30

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
Moisture	Percent Moisture	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5503A-ELEV-842-840
Lab Sample ID: 180-183884-1
Date Collected: 12/07/24 16:00
Matrix: Solid
Date Received: 12/10/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5503A-ELEV-842-840
Lab Sample ID: 180-183884-1
Date Collected: 12/07/24 16:00
Matrix: Solid
Date Received: 12/10/24 09:30
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.08 g	100 mL	638268	12/10/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638476	12/11/24 11:26	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-B65A-ELEV-838-836
Lab Sample ID: 180-183884-3
Date Collected: 12/07/24 15:15
Matrix: Solid
Date Received: 12/10/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B65A-ELEV-838-836
Lab Sample ID: 180-183884-3
Date Collected: 12/07/24 15:15
Matrix: Solid
Date Received: 12/10/24 09:30
Percent Solids: 68.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.09 g	100 mL	638268	12/10/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638476	12/11/24 12:00	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-B537A-ELEV-836-834
Lab Sample ID: 180-183884-5
Date Collected: 12/07/24 14:33
Matrix: Solid
Date Received: 12/10/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B537A-ELEV-836-834
Lab Sample ID: 180-183884-5
Date Collected: 12/07/24 14:33
Matrix: Solid
Date Received: 12/10/24 09:30
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	100 mL	638268	12/10/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638476	12/11/24 12:09	RKT	EET CLE
	Instrument ID: I12									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Analyst References:

Lab: EET CLE

Batch Type: Prep

DEE = Dale Elshaw

Batch Type: Analysis

RKT = Roger Toth

SC3B = Korey Valentine

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Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183884-1

Client Sample ID: SSHS-SPA6-B5503A-ELEV-842-840
Lab Sample ID: 180-183884-1
Date Collected: 12/07/24 16:00
Matrix: Solid
Date Received: 12/10/24 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	86.1		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	13.9		0.1	0.1	%			12/10/24 15:07	1

Client Sample ID: SSHS-SPA6-B5503A-ELEV-842-840
Lab Sample ID: 180-183884-1
Date Collected: 12/07/24 16:00
Matrix: Solid
Date Received: 12/10/24 09:30
Percent Solids: 86.1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.3		1.6	0.34	mg/Kg	☼	12/10/24 15:00	12/11/24 11:26	1

Client Sample ID: SSHS-SPA6-B65A-ELEV-838-836
Lab Sample ID: 180-183884-3
Date Collected: 12/07/24 15:15
Matrix: Solid
Date Received: 12/10/24 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	68.0		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	32.0		0.1	0.1	%			12/10/24 15:07	1

Client Sample ID: SSHS-SPA6-B65A-ELEV-838-836
Lab Sample ID: 180-183884-3
Date Collected: 12/07/24 15:15
Matrix: Solid
Date Received: 12/10/24 09:30
Percent Solids: 68.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	39		2.0	0.43	mg/Kg	☼	12/10/24 15:00	12/11/24 12:00	1

Client Sample ID: SSHS-SPA6-B537A-ELEV-836-834
Lab Sample ID: 180-183884-5
Date Collected: 12/07/24 14:33
Matrix: Solid
Date Received: 12/10/24 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	86.7		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	13.3		0.1	0.1	%			12/10/24 15:07	1

Client Sample ID: SSHS-SPA6-B537A-ELEV-836-834
Lab Sample ID: 180-183884-5
Date Collected: 12/07/24 14:33
Matrix: Solid
Date Received: 12/10/24 09:30
Percent Solids: 86.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.2		1.5	0.33	mg/Kg	☼	12/10/24 15:00	12/11/24 12:09	1

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Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-638268/1-A
Matrix: Solid
Analysis Batch: 638476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		12/10/24 15:00	12/11/24 11:17	1

Lab Sample ID: LCS 240-638268/2-A
Matrix: Solid
Analysis Batch: 638476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638268

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			200	201		mg/Kg		101	80 - 120		

Lab Sample ID: 180-183884-1 MS
Matrix: Solid
Analysis Batch: 638476

Client Sample ID: SSHS-SPA6-B5503A-ELEV-842-840
Prep Type: Total/NA
Prep Batch: 638268

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	6.3		230	213		mg/Kg	☼	90	75 - 125		

Lab Sample ID: 180-183884-1 MSD
Matrix: Solid
Analysis Batch: 638476

Client Sample ID: SSHS-SPA6-B5503A-ELEV-842-840
Prep Type: Total/NA
Prep Batch: 638268

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	6.3		230	217		mg/Kg	☼	91	75 - 125	2	20

Method: Moisture - Percent Moisture

Lab Sample ID: 180-183884-3 DU
Matrix: Solid
Analysis Batch: 638286

Client Sample ID: SSHS-SPA6-B65A-ELEV-838-836
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	68.0			64.8		%				5	20
Percent Moisture	32.0			35.2		%				10	20

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QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Metals

Prep Batch: 638268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183884-1	SSHS-SPA6-B5503A-ELEV-842-840	Total/NA	Solid	3050B	
180-183884-3	SSHS-SPA6-B65A-ELEV-838-836	Total/NA	Solid	3050B	
180-183884-5	SSHS-SPA6-B537A-ELEV-836-834	Total/NA	Solid	3050B	
MB 240-638268/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-638268/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-183884-1 MS	SSHS-SPA6-B5503A-ELEV-842-840	Total/NA	Solid	3050B	
180-183884-1 MSD	SSHS-SPA6-B5503A-ELEV-842-840	Total/NA	Solid	3050B	

Analysis Batch: 638476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183884-1	SSHS-SPA6-B5503A-ELEV-842-840	Total/NA	Solid	6010D	638268
180-183884-3	SSHS-SPA6-B65A-ELEV-838-836	Total/NA	Solid	6010D	638268
180-183884-5	SSHS-SPA6-B537A-ELEV-836-834	Total/NA	Solid	6010D	638268
MB 240-638268/1-A	Method Blank	Total/NA	Solid	6010D	638268
LCS 240-638268/2-A	Lab Control Sample	Total/NA	Solid	6010D	638268
180-183884-1 MS	SSHS-SPA6-B5503A-ELEV-842-840	Total/NA	Solid	6010D	638268
180-183884-1 MSD	SSHS-SPA6-B5503A-ELEV-842-840	Total/NA	Solid	6010D	638268

General Chemistry

Analysis Batch: 638286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183884-1	SSHS-SPA6-B5503A-ELEV-842-840	Total/NA	Solid	Moisture	
180-183884-3	SSHS-SPA6-B65A-ELEV-838-836	Total/NA	Solid	Moisture	
180-183884-5	SSHS-SPA6-B537A-ELEV-836-834	Total/NA	Solid	Moisture	
180-183884-3 DU	SSHS-SPA6-B65A-ELEV-838-836	Total/NA	Solid	Moisture	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

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Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): RUSH TAT (1 Day)
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5503A-ELEV-842-840	12/7/24	1600	C	Solid	N	N		X			2	
SSHS-SPA6-B5503A-ELEV-840-838	12/7/24	1610	C	Solid	N	N		X			2	Hold Sample
SSHS-SPA6-B65A-ELEV-838-836	12/7/24	1515	C	Solid	N	N		X			2	
SSHS-SPA6-B65A-ELEV-836-834	12/7/24	1525	C	Solid	N	N		X			2	Hold Sample
SSHS-SPA6-B537A-ELEV-836-834	12/7/24	1433	C	Solid	N	N		X			2	

180-183884 COC

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: JCollins	Date/Time: 12/10/24 930	Company: EUR
Relinquished by:	Date/Time: 12/9/24/1500	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Geosyntec Consultants Inc Site Name _____ Cooler unpacked by: JC

Cooler Received on 12/10/24 Opened on 12/10/24

FedEx. 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours. Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # CC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF 0.1 °C) Observed Cooler Temp. 2.8 °C Corrected Cooler Temp. 2.9 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(Y) (Y)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/13/2024 12:20:35 PM

JOB DESCRIPTION

Former Sperry Remington-South Portion, Addendum#6

JOB NUMBER

180-183884-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-183884-2 Eurofins Pittsburgh

Job Narrative
180-183884-2

Comments
This report contains the results for the samples on hold, SSHS-SPA6-B5503A-ELEV-840-838 (180-183884-2) and SSHS-SPA6-B65A-ELEV-836-834 (180-183884-4). The results for samples SSHS-SPA6-B5503A-ELEV-842-840 (180-183884-1), SSHS-SPA6-B65A-ELEV-838-836 (180-183884-3), and SSHS-SPA6-B537A-ELEV-836-834 (180-183884-5) were reported in laboratory job# 180-183884-1.

Sample SSHS-SPA6-B5503A-ELEV-840-838 (180-183884-2) was cancelled and sample SSHS-SPA6-B65A-ELEV-836-834 (180-183884-4) was activated for analysis on 12/12/24. All samples were processed together to expedite the reporting of results.

Receipt
The samples were received on 12/10/2024 at the Cleveland (Barberton), OH laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9° C.

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

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

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Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Laboratory: Eurofins Cleveland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-183884-4	SSHS-SPA6-B65A-ELEV-836-834	Solid	12/07/24 15:25	12/10/24 09:30

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
Moisture	Percent Moisture	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183884-2

Client Sample ID: SSHS-SPA6-B65A-ELEV-836-834
Date Collected: 12/07/24 15:25
Date Received: 12/10/24 09:30

Lab Sample ID: 180-183884-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B65A-ELEV-836-834
Date Collected: 12/07/24 15:25
Date Received: 12/10/24 09:30

Lab Sample ID: 180-183884-4
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.08 g	100 mL	638268	12/10/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638476	12/11/24 12:05	RKT	EET CLE
	Instrument ID: I12									

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Analyst References:

Lab: EET CLE

Batch Type: Prep

DEE = Dale Elshaw

Batch Type: Analysis

RKT = Roger Toth

SC3B = Korey Valentine

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Client: Geosyntec Consultants Inc
Job ID: 180-183884-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B65A-ELEV-836-834
Lab Sample ID: 180-183884-4
Date Collected: 12/07/24 15:25
Matrix: Solid
Date Received: 12/10/24 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	84.4		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	15.6		0.1	0.1	%			12/10/24 15:07	1

Client Sample ID: SSHS-SPA6-B65A-ELEV-836-834
Lab Sample ID: 180-183884-4
Date Collected: 12/07/24 15:25
Matrix: Solid
Date Received: 12/10/24 09:30
Percent Solids: 84.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		1.6	0.35	mg/Kg	☼	12/10/24 15:00	12/11/24 12:05	1

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Client: Geosyntec Consultants Inc
Job ID: 180-183884-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-638268/1-A
Matrix: Solid
Analysis Batch: 638476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		12/10/24 15:00	12/11/24 11:17	1

Lab Sample ID: LCS 240-638268/2-A
Matrix: Solid
Analysis Batch: 638476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	200	201		mg/Kg		101	80 - 120

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QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183884-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Metals

Prep Batch: 638268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183884-4	SSHS-SPA6-B65A-ELEV-836-834	Total/NA	Solid	3050B	
MB 240-638268/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-638268/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 638476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183884-4	SSHS-SPA6-B65A-ELEV-836-834	Total/NA	Solid	6010D	638268
MB 240-638268/1-A	Method Blank	Total/NA	Solid	6010D	638268
LCS 240-638268/2-A	Lab Control Sample	Total/NA	Solid	6010D	638268

General Chemistry

Analysis Batch: 638286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183884-4	SSHS-SPA6-B65A-ELEV-836-834	Total/NA	Solid	Moisture	

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): RUSH TAT (1 Day)
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5503A-ELEV-842-840	12/7/24	1600	C	Solid	N	N		X			2	
SSHS-SPA6-B5503A-ELEV-840-838	12/7/24	1610	C	Solid	N	N		X			2	Hold Sample
SSHS-SPA6-B65A-ELEV-838-836	12/7/24	1515	C	Solid	N	N		X			2	
SSHS-SPA6-B65A-ELEV-836-834	12/7/24	1525	C	Solid	N	N		X			2	Hold Sample
SSHS-SPA6-B537A-ELEV-836-834	12/7/24	1433	C	Solid	N	N		X			2	

180-183884 COC

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: JCollins	Date/Time: 12/10/24 930	Company: EUR
Relinquished by:	Date/Time: 12/9/24/1500	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Geosyntec Consultants Inc Site Name _____ Cooler unpacked by: JC

Cooler Received on 12/10/24 Opened on 12/10/24

FedEx. 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours. Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # CC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF 0.1 °C) Observed Cooler Temp. 2.8 °C Corrected Cooler Temp. 2.9 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(Y) (Y)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No (NA) pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

_____

_____

_____

_____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/16/2024 12:49:32 PM

JOB DESCRIPTION

Former Sperry Remington-South Portion, Addendum#6

JOB NUMBER

180-183885-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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PA Lab ID: 02-00416

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Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-183885-1 Eurofins Pittsburgh

Job Narrative
180-183885-1

Receipt
The samples were received on 12/10/2024 at the Eurofins Pittsburgh, PA and Cleveland (Barberton), OH laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.9º C, 3.7º C and 4.8º C.

GC Semi VOA
Method 8082A: Sample SSHS-SPA6-DUP-02 (180-183885-12) and SSHS-SPA6-B5552-ELEV-854-852 (180-183885-23) had the recoveries of surrogate tetrachloro-m-xylene above the control limits on column RTX-CLP1. The recoveries on column RTX-CLP2 and the recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: The matrix spike (MS) of sample SSHS-SPA6-B5509A-ELEV-848-846 (180-183885-1) had the recovery of aroclor 1016 above the control limits. The RPD between the spikes was also above the control limits for aroclors 1016 and 1260. The recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8082A: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-SPA6-B5554-ELEV-852-850 (180-183885-25) had the recoveries of aroclor 1260 below the control limits. The RPD between the spikes was also above the control limits for aroclor 1016. The recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-486409 (CCVIS 180-486409/49) was below criteria for aroclor 1016 on column RTX-CLP1. Results are confirmed on both columns and detections were reported from the column that met criteria. Aroclor 1016 was not detected in the associated samples on either column.

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

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

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

DRAFT

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

Laboratory: Eurofins Cleveland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

DRAFT

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-183885-1	SSHS-SPA6-B5509A-ELEV-848-846	Solid	12/07/24 08:05	12/10/24 09:55
180-183885-2	SSHS-SPA6-B5509A-ELEV-842-840	Solid	12/07/24 08:10	12/10/24 09:55
180-183885-4	SSHS-SPA6-B5512A-ELEV-850-848	Solid	12/07/24 09:36	12/10/24 09:55
180-183885-7	SSHS-SPA6-B5516A-ELEV-846-844	Solid	12/07/24 10:43	12/10/24 09:55
180-183885-8	SSHS-SPA6-DUP-01	Solid	12/07/24 00:00	12/10/24 09:55
180-183885-11	SSHS-SPA6-B5550-ELEV-848-846	Solid	12/07/24 08:50	12/10/24 09:55
180-183885-12	SSHS-SPA6-DUP-02	Solid	12/07/24 00:00	12/10/24 09:55
180-183885-13	SSHS-SPA6-B5550-ELEV-846-844	Solid	12/07/24 08:55	12/10/24 09:55
180-183885-14	SSHS-SPA6-B5550-ELEV-844-842	Solid	12/07/24 09:00	12/10/24 09:55
180-183885-15	SSHS-SPA6-B5550-ELEV-842-840	Solid	12/07/24 09:05	12/10/24 09:55
180-183885-16	SSHS-SPA6-DUP-05	Solid	12/07/24 00:00	12/10/24 09:55
180-183885-18	SSHS-SPA6-B5551-ELEV-850-848	Solid	12/07/24 11:00	12/10/24 09:55
180-183885-19	SSHS-SPA6-B5551-ELEV-848-846	Solid	12/07/24 11:04	12/10/24 09:55
180-183885-23	SSHS-SPA6-B5552-ELEV-854-852	Solid	12/07/24 11:40	12/10/24 09:55
180-183885-25	SSHS-SPA6-B5554-ELEV-852-850	Solid	12/07/24 09:28	12/10/24 09:55
180-183885-27	SSHS-SPA6-B5555-ELEV-852-850	Solid	12/07/24 09:55	12/10/24 09:55
180-183885-29	SSHS-SPA6-B5524A-SUB-2-4	Solid	12/07/24 11:55	12/10/24 09:55
180-183885-31	SSHS-SPA6-B5530A-SUB-2-4	Solid	12/07/24 10:30	12/10/24 09:55
180-183885-33	SSHS-SPA6-DUP-03	Solid	12/07/24 00:00	12/10/24 09:55
180-183885-34	SSHS-SPA6-B5553-SUB-0.17-2	Solid	12/07/24 12:05	12/10/24 09:55
180-183885-35	SSHS-SPA6-DUP-04	Solid	12/07/24 00:00	12/10/24 09:55

DRAFT

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Method	Method Description	Protocol	Laboratory
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET CLE
2540G	SM 2540G	SM22	EET PIT
Moisture	Percent Moisture	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET CLE
3541	Automated Soxhlet Extraction	SW846	EET PIT

Protocol References:

EPA = US Environmental Protection Agency

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5509A-ELEV-848-846
Lab Sample ID: 180-183885-1
Date Collected: 12/07/24 08:05
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5509A-ELEV-848-846
Lab Sample ID: 180-183885-1
Date Collected: 12/07/24 08:05
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/12/24 20:24	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-B5509A-ELEV-842-840
Lab Sample ID: 180-183885-2
Date Collected: 12/07/24 08:10
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5509A-ELEV-842-840
Lab Sample ID: 180-183885-2
Date Collected: 12/07/24 08:10
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/12/24 22:53	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-B5512A-ELEV-850-848
Lab Sample ID: 180-183885-4
Date Collected: 12/07/24 09:36
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5512A-ELEV-850-848
Lab Sample ID: 180-183885-4
Date Collected: 12/07/24 09:36
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/12/24 23:12	JMO	EET PIT
	Instrument ID: CHGC16									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5516A-ELEV-846-844
Lab Sample ID: 180-183885-7
Date Collected: 12/07/24 10:43
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5516A-ELEV-846-844
Lab Sample ID: 180-183885-7
Date Collected: 12/07/24 10:43
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.14 g	100 mL	638398	12/11/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638560	12/12/24 09:08	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-DUP-01
Lab Sample ID: 180-183885-8
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-DUP-01
Lab Sample ID: 180-183885-8
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	638398	12/11/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638560	12/12/24 09:13	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-B5550-ELEV-848-846
Lab Sample ID: 180-183885-11
Date Collected: 12/07/24 08:50
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5550-ELEV-848-846
Lab Sample ID: 180-183885-11
Date Collected: 12/07/24 08:50
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/12/24 23:31	JMO	EET PIT
	Instrument ID: CHGC16									

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Client Sample ID: SSHS-SPA6-DUP-02
Lab Sample ID: 180-183885-12
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-DUP-02
Lab Sample ID: 180-183885-12
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/12/24 23:49	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-B5550-ELEV-846-844
Lab Sample ID: 180-183885-13
Date Collected: 12/07/24 08:55
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5550-ELEV-846-844
Lab Sample ID: 180-183885-13
Date Collected: 12/07/24 08:55
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 00:08	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-B5550-ELEV-844-842
Lab Sample ID: 180-183885-14
Date Collected: 12/07/24 09:00
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5550-ELEV-844-842
Lab Sample ID: 180-183885-14
Date Collected: 12/07/24 09:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 00:27	JMO	EET PIT
	Instrument ID: CHGC16									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5550-ELEV-844-842
Lab Sample ID: 180-183885-14
Date Collected: 12/07/24 09:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.01 g	100 mL	638398	12/11/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638560	12/12/24 09:17	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-B5550-ELEV-842-840
Lab Sample ID: 180-183885-15
Date Collected: 12/07/24 09:05
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5550-ELEV-842-840
Lab Sample ID: 180-183885-15
Date Collected: 12/07/24 09:05
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 00:45	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-DUP-05
Lab Sample ID: 180-183885-16
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-DUP-05
Lab Sample ID: 180-183885-16
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 01:04	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-B5551-ELEV-850-848
Lab Sample ID: 180-183885-18
Date Collected: 12/07/24 11:00
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5551-ELEV-850-848
Lab Sample ID: 180-183885-18
Date Collected: 12/07/24 11:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.10 g	100 mL	638398	12/11/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638560	12/12/24 09:21	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-B5551-ELEV-848-846
Lab Sample ID: 180-183885-19
Date Collected: 12/07/24 11:04
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5551-ELEV-848-846
Lab Sample ID: 180-183885-19
Date Collected: 12/07/24 11:04
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 01:23	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.30 g	100 mL	638398	12/11/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638560	12/12/24 08:17	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-B5552-ELEV-854-852
Lab Sample ID: 180-183885-23
Date Collected: 12/07/24 11:40
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5552-ELEV-854-852
Lab Sample ID: 180-183885-23
Date Collected: 12/07/24 11:40
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 01:41	JMO	EET PIT
	Instrument ID: CHGC16									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5554-ELEV-852-850
Lab Sample ID: 180-183885-25
Date Collected: 12/07/24 09:28
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5554-ELEV-852-850
Lab Sample ID: 180-183885-25
Date Collected: 12/07/24 09:28
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/12/24 21:20	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-B5555-ELEV-852-850
Lab Sample ID: 180-183885-27
Date Collected: 12/07/24 09:55
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5555-ELEV-852-850
Lab Sample ID: 180-183885-27
Date Collected: 12/07/24 09:55
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 02:00	JMO	EET PIT
	Instrument ID: CHGC16									

Client Sample ID: SSHS-SPA6-B5524A-SUB-2-4
Lab Sample ID: 180-183885-29
Date Collected: 12/07/24 11:55
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5524A-SUB-2-4
Lab Sample ID: 180-183885-29
Date Collected: 12/07/24 11:55
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 02:19	JMO	EET PIT
	Instrument ID: CHGC16									

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Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5530A-SUB-2-4
Lab Sample ID: 180-183885-31
Date Collected: 12/07/24 10:30
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5530A-SUB-2-4
Lab Sample ID: 180-183885-31
Date Collected: 12/07/24 10:30
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.21 g	100 mL	638398	12/11/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638560	12/12/24 08:38	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-DUP-03
Lab Sample ID: 180-183885-33
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			638286	12/10/24 15:07	SC3B	EET CLE
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-DUP-03
Lab Sample ID: 180-183885-33
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.42 g	100 mL	638398	12/11/24 15:00	DEE	EET CLE
Total/NA	Analysis	6010D		1			638560	12/12/24 09:26	RKT	EET CLE
	Instrument ID: I12									

Client Sample ID: SSHS-SPA6-B5553-SUB-0.17-2
Lab Sample ID: 180-183885-34
Date Collected: 12/07/24 12:05
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5553-SUB-0.17-2
Lab Sample ID: 180-183885-34
Date Collected: 12/07/24 12:05
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 02:37	JMO	EET PIT
	Instrument ID: CHGC16									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-DUP-04
Lab Sample ID: 180-183885-35
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486373	12/11/24 14:21	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-DUP-04
Lab Sample ID: 180-183885-35
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	486305	12/11/24 07:02	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	486409	12/13/24 02:56	JMO	EET PIT
	Instrument ID: CHGC16									

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET CLE

Batch Type: Prep

DEE = Dale Elshaw

Batch Type: Analysis

RKT = Roger Toth

SC3B = Korey Valentine

Lab: EET PIT

Batch Type: Prep

MKK = Mary Kenny

Batch Type: Analysis

EBA = Elizabeth Arbster

JMO = John Oravec

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-1

Client Sample ID: SSHS-SPA6-B5509A-ELEV-848-846

Lab Sample ID: 180-183885-1

Date Collected: 12/07/24 08:05
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 79.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F1 F2	21	6.8	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1221	ND		21	7.4	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1232	ND		21	5.1	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1242	ND		21	3.1	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1248	ND		21	5.0	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1254	**1300**		21	6.3	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1260	**440**	**F2**	21	6.0	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1262	ND		21	7.4	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1
PCB-1268	ND		21	2.8	ug/Kg	☼	12/11/24 07:02	12/12/24 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*57 - 146*	*12/11/24 07:02*	*12/12/24 20:24*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*57 - 146*	*12/11/24 07:02*	*12/12/24 20:24*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*12/11/24 07:02*	*12/12/24 20:24*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*12/11/24 07:02*	*12/12/24 20:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**20.9**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**79.1**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5509A-ELEV-842-840

Lab Sample ID: 180-183885-2

Date Collected: 12/07/24 08:10
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 85.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1221	ND		19	6.8	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1232	ND		19	4.7	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1248	**200**		19	4.6	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1254	**220**		19	5.8	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1260	**79**		19	5.5	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1262	ND		19	6.8	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/11/24 07:02	12/12/24 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*57 - 146*	*12/11/24 07:02*	*12/12/24 22:53*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*57 - 146*	*12/11/24 07:02*	*12/12/24 22:53*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*60 - 135*	*12/11/24 07:02*	*12/12/24 22:53*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*60 - 135*	*12/11/24 07:02*	*12/12/24 22:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.9**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**85.1**		0.1	0.1	%			12/11/24 14:21	1

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-1

Client Sample ID: SSHS-SPA6-B5512A-ELEV-850-848

Lab Sample ID: 180-183885-4
Date Collected: 12/07/24 09:36
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 93.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1221	ND		18	6.2	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1232	ND		18	4.3	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1242	ND		18	2.6	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1248	**990**		18	4.2	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1254	**480**		18	5.3	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1260	ND		18	5.0	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1262	ND		18	6.2	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1
PCB-1268	ND		18	2.4	ug/Kg	☼	12/11/24 07:02	12/12/24 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*57 - 146*	*12/11/24 07:02*	*12/12/24 23:12*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*57 - 146*	*12/11/24 07:02*	*12/12/24 23:12*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*60 - 135*	*12/11/24 07:02*	*12/12/24 23:12*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*60 - 135*	*12/11/24 07:02*	*12/12/24 23:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.7**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**93.3**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5516A-ELEV-846-844

Lab Sample ID: 180-183885-7
Date Collected: 12/07/24 10:43
Matrix: Solid
Date Received: 12/10/24 09:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**91.8**		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	**8.2**		0.1	0.1	%			12/10/24 15:07	1

Client Sample ID: SSHS-SPA6-B5516A-ELEV-846-844

Lab Sample ID: 180-183885-7
Date Collected: 12/07/24 10:43
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 91.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		1.4	0.30	mg/Kg	☼	12/11/24 15:00	12/12/24 09:08	1
Copper	**35**		2.4	0.67	mg/Kg	☼	12/11/24 15:00	12/12/24 09:08	1

Client Sample ID: SSHS-SPA6-DUP-01

Lab Sample ID: 180-183885-8
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**92.6**		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	**7.4**		0.1	0.1	%			12/10/24 15:07	1

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Client Sample ID: SSHS-SPA6-DUP-01
Lab Sample ID: 180-183885-8

Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 92.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.0**		1.6	0.34	mg/Kg	☼	12/11/24 15:00	12/12/24 09:13	1
Copper	**37**		2.7	0.76	mg/Kg	☼	12/11/24 15:00	12/12/24 09:13	1

Client Sample ID: SSHS-SPA6-B5550-ELEV-848-846
Lab Sample ID: 180-183885-11

Date Collected: 12/07/24 08:50
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 81.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1221	ND		20	7.2	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1232	ND		20	5.0	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1242	ND		20	3.0	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1248	**410**		20	4.9	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1254	**290**		20	6.1	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1260	**110**		20	5.8	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1262	ND		20	7.2	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1
PCB-1268	ND		20	2.7	ug/Kg	☼	12/11/24 07:02	12/12/24 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*57 - 146*	*12/11/24 07:02*	*12/12/24 23:31*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*	*12/11/24 07:02*	*12/12/24 23:31*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*12/11/24 07:02*	*12/12/24 23:31*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*60 - 135*	*12/11/24 07:02*	*12/12/24 23:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.7**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**81.3**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-DUP-02
Lab Sample ID: 180-183885-12

Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 88.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1221	ND		19	6.7	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1232	ND		19	4.6	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1248	**540**		19	4.5	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1254	**470**		19	5.6	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1260	**160**		19	5.3	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1262	ND		19	6.6	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1
PCB-1268	ND		19	2.5	ug/Kg	☼	12/11/24 07:02	12/12/24 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*57 - 146*	*12/11/24 07:02*	*12/12/24 23:49*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*57 - 146*	*12/11/24 07:02*	*12/12/24 23:49*	*1*
Tetrachloro-m-xylene (Surr)	*58*	*S1-*	*60 - 135*	*12/11/24 07:02*	*12/12/24 23:49*	*1*

DRAFT

Client Sample ID: SSHS-SPA6-DUP-02
Lab Sample ID: 180-183885-12
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 88.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*12/11/24 07:02*	*12/12/24 23:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.0**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**88.0**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5550-ELEV-846-844
Lab Sample ID: 180-183885-13
Date Collected: 12/07/24 08:55
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1221	ND		19	6.6	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1232	ND		19	4.6	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1242	ND		19	2.7	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1248	**650**		19	4.5	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1254	**530**		19	5.6	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1260	**200**		19	5.3	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1262	ND		19	6.6	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1
PCB-1268	ND		19	2.5	ug/Kg	☼	12/11/24 07:02	12/13/24 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*57 - 146*	*12/11/24 07:02*	*12/13/24 00:08*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*57 - 146*	*12/11/24 07:02*	*12/13/24 00:08*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*60 - 135*	*12/11/24 07:02*	*12/13/24 00:08*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*60 - 135*	*12/11/24 07:02*	*12/13/24 00:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.9**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**86.1**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5550-ELEV-844-842
Lab Sample ID: 180-183885-14
Date Collected: 12/07/24 09:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 84.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1221	ND		19	6.8	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1232	ND		19	4.7	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1248	**530**		19	4.6	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1254	**400**		19	5.7	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1260	**140**		19	5.4	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1262	ND		19	6.7	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/11/24 07:02	12/13/24 00:27	1

DRAFT

Client Sample ID: SSHS-SPA6-B5550-ELEV-844-842
Lab Sample ID: 180-183885-14
Date Collected: 12/07/24 09:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 84.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*57 - 146*	*12/11/24 07:02*	*12/13/24 00:27*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*57 - 146*	*12/11/24 07:02*	*12/13/24 00:27*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*60 - 135*	*12/11/24 07:02*	*12/13/24 00:27*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*60 - 135*	*12/11/24 07:02*	*12/13/24 00:27*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14**		1.7	0.37	mg/Kg	☼	12/11/24 15:00	12/12/24 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.1**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**84.9**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5550-ELEV-842-840
Lab Sample ID: 180-183885-15
Date Collected: 12/07/24 09:05
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 82.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1221	ND		20	7.1	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1232	ND		20	4.9	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1242	ND		20	2.9	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1248	**660**		20	4.8	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1254	**690**		20	6.0	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1260	**260**		20	5.7	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1262	ND		20	7.1	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1
PCB-1268	ND		20	2.7	ug/Kg	☼	12/11/24 07:02	12/13/24 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*57 - 146*	*12/11/24 07:02*	*12/13/24 00:45*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*57 - 146*	*12/11/24 07:02*	*12/13/24 00:45*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*60 - 135*	*12/11/24 07:02*	*12/13/24 00:45*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*60 - 135*	*12/11/24 07:02*	*12/13/24 00:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**17.5**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**82.5**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-DUP-05
Lab Sample ID: 180-183885-16
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 83.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.3	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1
PCB-1221	ND		20	6.9	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1
PCB-1232	ND		20	4.8	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1
PCB-1242	ND		20	2.9	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1

DRAFT

Client Sample ID: SSHS-SPA6-DUP-05
Lab Sample ID: 180-183885-16
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 83.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	**450**		20	4.7	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1
PCB-1254	**530**		20	5.9	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1
PCB-1260	**190**		20	5.5	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1
PCB-1262	ND		20	6.9	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1
PCB-1268	ND		20	2.6	ug/Kg	☼	12/11/24 07:02	12/13/24 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*57 - 146*	*12/11/24 07:02*	*12/13/24 01:04*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*	*12/11/24 07:02*	*12/13/24 01:04*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*60 - 135*	*12/11/24 07:02*	*12/13/24 01:04*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*12/11/24 07:02*	*12/13/24 01:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.3**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**83.7**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5551-ELEV-850-848
Lab Sample ID: 180-183885-18
Date Collected: 12/07/24 11:00
Matrix: Solid
Date Received: 12/10/24 09:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**86.9**		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	**13.1**		0.1	0.1	%			12/10/24 15:07	1

Client Sample ID: SSHS-SPA6-B5551-ELEV-850-848
Lab Sample ID: 180-183885-18
Date Collected: 12/07/24 11:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.9

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.3**		1.6	0.33	mg/Kg	☼	12/11/24 15:00	12/12/24 09:21	1

Client Sample ID: SSHS-SPA6-B5551-ELEV-848-846
Lab Sample ID: 180-183885-19
Date Collected: 12/07/24 11:04
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 92.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1221	ND		18	6.3	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1232	ND		18	4.3	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1242	ND		18	2.6	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1248	**22**		18	4.3	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1254	**12**	**J**	18	5.4	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1260	ND		18	5.1	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1262	ND		18	6.3	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1
PCB-1268	ND		18	2.4	ug/Kg	☼	12/11/24 07:02	12/13/24 01:23	1

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Client Sample ID: SSHS-SPA6-B5551-ELEV-848-846
Lab Sample ID: 180-183885-19

Date Collected: 12/07/24 11:04
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 92.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*57 - 146*	*12/11/24 07:02*	*12/13/24 01:23*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*57 - 146*	*12/11/24 07:02*	*12/13/24 01:23*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*60 - 135*	*12/11/24 07:02*	*12/13/24 01:23*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*60 - 135*	*12/11/24 07:02*	*12/13/24 01:23*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.2**		1.2	0.26	mg/Kg	☼	12/11/24 15:00	12/12/24 08:17	1
Copper	**34**		2.1	0.58	mg/Kg	☼	12/11/24 15:00	12/12/24 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.3**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**92.7**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5552-ELEV-854-852
Lab Sample ID: 180-183885-23

Date Collected: 12/07/24 11:40
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 87.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1221	ND		19	6.6	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1232	ND		19	4.5	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1242	ND		19	2.7	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1248	ND		19	4.5	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1254	**250**		19	5.6	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1260	ND		19	5.3	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1262	ND		19	6.5	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1
PCB-1268	ND		19	2.5	ug/Kg	☼	12/11/24 07:02	12/13/24 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*57 - 146*	*12/11/24 07:02*	*12/13/24 01:41*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*57 - 146*	*12/11/24 07:02*	*12/13/24 01:41*	*1*
Tetrachloro-m-xylene (Surr)	*59*	*S1-*	*60 - 135*	*12/11/24 07:02*	*12/13/24 01:41*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*60 - 135*	*12/11/24 07:02*	*12/13/24 01:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.6**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**87.4**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5554-ELEV-852-850
Lab Sample ID: 180-183885-25

Date Collected: 12/07/24 09:28
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 89.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	18	6.0	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1
PCB-1221	ND		18	6.5	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1
PCB-1232	ND		18	4.5	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1

DRAFT

Client Sample ID: SSHS-SPA6-B5554-ELEV-852-850
Lab Sample ID: 180-183885-25

Date Collected: 12/07/24 09:28
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 89.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		18	2.7	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1
PCB-1248	ND		18	4.4	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1
PCB-1254	**1700**		18	5.5	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1
PCB-1260	**470**	**F1**	18	5.2	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1
PCB-1262	ND		18	6.5	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1
PCB-1268	ND		18	2.5	ug/Kg	☼	12/11/24 07:02	12/12/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*57 - 146*	*12/11/24 07:02*	*12/12/24 21:20*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*57 - 146*	*12/11/24 07:02*	*12/12/24 21:20*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*12/11/24 07:02*	*12/12/24 21:20*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*60 - 135*	*12/11/24 07:02*	*12/12/24 21:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.5**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**89.5**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5555-ELEV-852-850
Lab Sample ID: 180-183885-27

Date Collected: 12/07/24 09:55
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1221	ND		19	6.8	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1232	ND		19	4.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1248	**4100**		19	4.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1254	**2600**		19	5.8	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1260	**510**		19	5.5	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1262	ND		19	6.8	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:00*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:00*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:00*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.6**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**86.4**		0.1	0.1	%			12/11/24 14:21	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5524A-SUB-2-4
Lab Sample ID: 180-183885-29
Date Collected: 12/07/24 11:55
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 85.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1221	ND		19	6.8	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1232	ND		19	4.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1248	**72**		19	4.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1254	**37**		19	5.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1260	ND		19	5.4	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1262	ND		19	6.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:19*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:19*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:19*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.5**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**85.5**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-B5530A-SUB-2-4
Lab Sample ID: 180-183885-31
Date Collected: 12/07/24 10:30
Matrix: Solid
Date Received: 12/10/24 09:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**92.5**		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	**7.5**		0.1	0.1	%			12/10/24 15:07	1

Client Sample ID: SSHS-SPA6-B5530A-SUB-2-4
Lab Sample ID: 180-183885-31
Date Collected: 12/07/24 10:30
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 92.5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15**		1.3	0.28	mg/Kg	☼	12/11/24 15:00	12/12/24 08:38	1
Cadmium	**0.17**	**J**	0.45	0.043	mg/Kg	☼	12/11/24 15:00	12/12/24 08:38	1

Client Sample ID: SSHS-SPA6-DUP-03
Lab Sample ID: 180-183885-33
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**91.1**		0.1	0.1	%			12/10/24 15:07	1
Percent Moisture (EPA Moisture)	**8.9**		0.1	0.1	%			12/10/24 15:07	1

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-1

Client Sample ID: SSHS-SPA6-DUP-03

Lab Sample ID: 180-183885-33
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 91.1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.6**		1.2	0.24	mg/Kg	☼	12/11/24 15:00	12/12/24 09:26	1
Cadmium	**0.061**	**J**	0.39	0.037	mg/Kg	☼	12/11/24 15:00	12/12/24 09:26	1

Client Sample ID: SSHS-SPA6-B5553-SUB-0.17-2

Lab Sample ID: 180-183885-34
Date Collected: 12/07/24 12:05
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 87.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1221	ND		19	6.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1232	ND		19	4.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1248	**230**		19	4.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1254	**170**		19	5.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1260	ND		19	5.4	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1262	ND		19	6.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:37*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:37*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:37*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.0**		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	**87.0**		0.1	0.1	%			12/11/24 14:21	1

Client Sample ID: SSHS-SPA6-DUP-04

Lab Sample ID: 180-183885-35
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1221	ND		19	6.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1232	ND		19	4.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1242	ND		19	2.7	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1248	**450**		19	4.5	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1254	**210**		19	5.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1260	ND		19	5.3	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1262	ND		19	6.6	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1
PCB-1268	ND		19	2.5	ug/Kg	☼	12/11/24 07:02	12/13/24 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:56*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*57 - 146*	*12/11/24 07:02*	*12/13/24 02:56*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:56*	*1*

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-183885-1
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-DUP-04
Lab Sample ID: 180-183885-35
Date Collected: 12/07/24 00:00
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*68*		*60 - 135*	*12/11/24 07:02*	*12/13/24 02:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.1		0.1	0.1	%			12/11/24 14:21	1
Percent Solids (SM22 2540G)	86.9		0.1	0.1	%			12/11/24 14:21	1

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-486305/1-A
Matrix: Solid
Analysis Batch: 486409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486305

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1221	ND		17	5.9	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1232	ND		17	4.1	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1242	ND		17	2.4	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1248	ND		17	4.0	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1254	ND		17	5.0	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1260	ND		17	4.7	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1262	ND		17	5.9	ug/Kg		12/11/24 07:02	12/12/24 20:05	1
PCB-1268	ND		17	2.2	ug/Kg		12/11/24 07:02	12/12/24 20:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*57 - 146*	*12/11/24 07:02*	*12/12/24 20:05*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*57 - 146*	*12/11/24 07:02*	*12/12/24 20:05*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*60 - 135*	*12/11/24 07:02*	*12/12/24 20:05*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*60 - 135*	*12/11/24 07:02*	*12/12/24 20:05*	*1*

Lab Sample ID: LCS 180-486305/2-A
Matrix: Solid
Analysis Batch: 486409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 486305

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	888		ug/Kg		67	48 - 132		
PCB-1260			1330	856		ug/Kg		64	45 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*85*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*89*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*73*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*77*		*60 - 135*

Lab Sample ID: 180-183885-1 MS
Matrix: Solid
Analysis Batch: 486409

Client Sample ID: SSHS-SPA6-B5509A-ELEV-848-846
Prep Type: Total/NA
Prep Batch: 486305

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND	F1 F2	1650	1500		ug/Kg	☼	91	48 - 132		
PCB-1260	440	F2	1650	1350		ug/Kg	☼	55	45 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*79*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*83*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*66*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*69*		*60 - 135*

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-183885-1 MSD — **Client Sample ID: SSHS-SPA6-B5509A-ELEV-848-846**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 486409 — **Prep Batch: 486305**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F1 F2	1690	2630	F1 F2	ug/Kg	☼	156	48 - 132	55	25
PCB-1260	440	F2	1690	1890	F2	ug/Kg	☼	86	45 - 128	33	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*80*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*86*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*72*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*74*		*60 - 135*

Lab Sample ID: 180-183885-25 MS — **Client Sample ID: SSHS-SPA6-B5554-ELEV-852-850**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 486409 — **Prep Batch: 486305**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND	F2	1480	1560		ug/Kg	☼	106	48 - 132
PCB-1260	470	F1	1480	1090	F1	ug/Kg	☼	42	45 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*85*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*92*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*72*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*77*		*60 - 135*

Lab Sample ID: 180-183885-25 MSD — **Client Sample ID: SSHS-SPA6-B5554-ELEV-852-850**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 486409 — **Prep Batch: 486305**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F2	1480	1110	F2	ug/Kg	☼	75	48 - 132	34	25
PCB-1260	470	F1	1480	966	F1	ug/Kg	☼	34	45 - 128	12	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*79*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*66*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*68*		*60 - 135*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-638398/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 638560 — **Prep Batch: 638398**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.5	0.32	mg/Kg		12/11/24 15:00	12/12/24 08:07	1
Cadmium	ND		0.50	0.048	mg/Kg		12/11/24 15:00	12/12/24 08:07	1
Copper	ND		2.5	0.70	mg/Kg		12/11/24 15:00	12/12/24 08:07	1

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-1

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 240-638398/2-A
Matrix: Solid
Analysis Batch: 638560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	200	195		mg/Kg		97	80 - 120
Cadmium	100	92.5		mg/Kg		93	80 - 120
Copper	100	94.8		mg/Kg		95	80 - 120

Lab Sample ID: 180-183885-19 MS
Matrix: Solid
Analysis Batch: 638560

Client Sample ID: SSHS-SPA6-B5551-ELEV-848-846
Prep Type: Total/NA
Prep Batch: 638398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	6.2		175	159		mg/Kg	☼	87	75 - 125
Copper	34		87.7	112		mg/Kg	☼	89	75 - 125

Lab Sample ID: 180-183885-19 MSD
Matrix: Solid
Analysis Batch: 638560

Client Sample ID: SSHS-SPA6-B5551-ELEV-848-846
Prep Type: Total/NA
Prep Batch: 638398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	6.2		175	159		mg/Kg	☼	87	75 - 125	0	20
Copper	34		87.7	104		mg/Kg	☼	80	75 - 125	7	20

Lab Sample ID: 180-183885-31 MS
Matrix: Solid
Analysis Batch: 638560

Client Sample ID: SSHS-SPA6-B5530A-SUB-2-4
Prep Type: Total/NA
Prep Batch: 638398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	15		179	179		mg/Kg	☼	92	75 - 125
Cadmium	0.17	J	89.4	77.2		mg/Kg	☼	86	75 - 125

Lab Sample ID: 180-183885-31 MSD
Matrix: Solid
Analysis Batch: 638560

Client Sample ID: SSHS-SPA6-B5530A-SUB-2-4
Prep Type: Total/NA
Prep Batch: 638398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	15		179	177		mg/Kg	☼	91	75 - 125	1	20
Cadmium	0.17	J	89.4	77.0		mg/Kg	☼	86	75 - 125	0	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-183885-19 DU
Matrix: Solid
Analysis Batch: 486373

Client Sample ID: SSHS-SPA6-B5551-ELEV-848-846
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.3		7.2		%		2	10
Percent Solids	92.7		92.8		%		0.1	10

DRAFT

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-1

GC Semi VOA

Prep Batch: 486305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-1	SSHS-SPA6-B5509A-ELEV-848-846	Total/NA	Solid	3541	
180-183885-2	SSHS-SPA6-B5509A-ELEV-842-840	Total/NA	Solid	3541	
180-183885-4	SSHS-SPA6-B5512A-ELEV-850-848	Total/NA	Solid	3541	
180-183885-11	SSHS-SPA6-B5550-ELEV-848-846	Total/NA	Solid	3541	
180-183885-12	SSHS-SPA6-DUP-02	Total/NA	Solid	3541	
180-183885-13	SSHS-SPA6-B5550-ELEV-846-844	Total/NA	Solid	3541	
180-183885-14	SSHS-SPA6-B5550-ELEV-844-842	Total/NA	Solid	3541	
180-183885-15	SSHS-SPA6-B5550-ELEV-842-840	Total/NA	Solid	3541	
180-183885-16	SSHS-SPA6-DUP-05	Total/NA	Solid	3541	
180-183885-19	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	3541	
180-183885-23	SSHS-SPA6-B5552-ELEV-854-852	Total/NA	Solid	3541	
180-183885-25	SSHS-SPA6-B5554-ELEV-852-850	Total/NA	Solid	3541	
180-183885-27	SSHS-SPA6-B5555-ELEV-852-850	Total/NA	Solid	3541	
180-183885-29	SSHS-SPA6-B5524A-SUB-2-4	Total/NA	Solid	3541	
180-183885-34	SSHS-SPA6-B5553-SUB-0.17-2	Total/NA	Solid	3541	
180-183885-35	SSHS-SPA6-DUP-04	Total/NA	Solid	3541	
MB 180-486305/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-486305/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-183885-1 MS	SSHS-SPA6-B5509A-ELEV-848-846	Total/NA	Solid	3541	
180-183885-1 MSD	SSHS-SPA6-B5509A-ELEV-848-846	Total/NA	Solid	3541	
180-183885-25 MS	SSHS-SPA6-B5554-ELEV-852-850	Total/NA	Solid	3541	
180-183885-25 MSD	SSHS-SPA6-B5554-ELEV-852-850	Total/NA	Solid	3541	

Analysis Batch: 486409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-1	SSHS-SPA6-B5509A-ELEV-848-846	Total/NA	Solid	EPA 8082A	486305
180-183885-2	SSHS-SPA6-B5509A-ELEV-842-840	Total/NA	Solid	EPA 8082A	486305
180-183885-4	SSHS-SPA6-B5512A-ELEV-850-848	Total/NA	Solid	EPA 8082A	486305
180-183885-11	SSHS-SPA6-B5550-ELEV-848-846	Total/NA	Solid	EPA 8082A	486305
180-183885-12	SSHS-SPA6-DUP-02	Total/NA	Solid	EPA 8082A	486305
180-183885-13	SSHS-SPA6-B5550-ELEV-846-844	Total/NA	Solid	EPA 8082A	486305
180-183885-14	SSHS-SPA6-B5550-ELEV-844-842	Total/NA	Solid	EPA 8082A	486305
180-183885-15	SSHS-SPA6-B5550-ELEV-842-840	Total/NA	Solid	EPA 8082A	486305
180-183885-16	SSHS-SPA6-DUP-05	Total/NA	Solid	EPA 8082A	486305
180-183885-19	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	EPA 8082A	486305
180-183885-23	SSHS-SPA6-B5552-ELEV-854-852	Total/NA	Solid	EPA 8082A	486305
180-183885-25	SSHS-SPA6-B5554-ELEV-852-850	Total/NA	Solid	EPA 8082A	486305
180-183885-27	SSHS-SPA6-B5555-ELEV-852-850	Total/NA	Solid	EPA 8082A	486305
180-183885-29	SSHS-SPA6-B5524A-SUB-2-4	Total/NA	Solid	EPA 8082A	486305
180-183885-34	SSHS-SPA6-B5553-SUB-0.17-2	Total/NA	Solid	EPA 8082A	486305
180-183885-35	SSHS-SPA6-DUP-04	Total/NA	Solid	EPA 8082A	486305
MB 180-486305/1-A	Method Blank	Total/NA	Solid	EPA 8082A	486305
LCS 180-486305/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	486305
180-183885-1 MS	SSHS-SPA6-B5509A-ELEV-848-846	Total/NA	Solid	EPA 8082A	486305
180-183885-1 MSD	SSHS-SPA6-B5509A-ELEV-848-846	Total/NA	Solid	EPA 8082A	486305
180-183885-25 MS	SSHS-SPA6-B5554-ELEV-852-850	Total/NA	Solid	EPA 8082A	486305
180-183885-25 MSD	SSHS-SPA6-B5554-ELEV-852-850	Total/NA	Solid	EPA 8082A	486305

DRAFT

Metals

Prep Batch: 638398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-7	SSHS-SPA6-B5516A-ELEV-846-844	Total/NA	Solid	3050B	
180-183885-8	SSHS-SPA6-DUP-01	Total/NA	Solid	3050B	
180-183885-14	SSHS-SPA6-B5550-ELEV-844-842	Total/NA	Solid	3050B	
180-183885-18	SSHS-SPA6-B5551-ELEV-850-848	Total/NA	Solid	3050B	
180-183885-19	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	3050B	
180-183885-31	SSHS-SPA6-B5530A-SUB-2-4	Total/NA	Solid	3050B	
180-183885-33	SSHS-SPA6-DUP-03	Total/NA	Solid	3050B	
MB 240-638398/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 240-638398/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-183885-19 MS	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	3050B	
180-183885-19 MSD	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	3050B	
180-183885-31 MS	SSHS-SPA6-B5530A-SUB-2-4	Total/NA	Solid	3050B	
180-183885-31 MSD	SSHS-SPA6-B5530A-SUB-2-4	Total/NA	Solid	3050B	

Analysis Batch: 638560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-7	SSHS-SPA6-B5516A-ELEV-846-844	Total/NA	Solid	6010D	638398
180-183885-8	SSHS-SPA6-DUP-01	Total/NA	Solid	6010D	638398
180-183885-14	SSHS-SPA6-B5550-ELEV-844-842	Total/NA	Solid	6010D	638398
180-183885-18	SSHS-SPA6-B5551-ELEV-850-848	Total/NA	Solid	6010D	638398
180-183885-19	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	6010D	638398
180-183885-31	SSHS-SPA6-B5530A-SUB-2-4	Total/NA	Solid	6010D	638398
180-183885-33	SSHS-SPA6-DUP-03	Total/NA	Solid	6010D	638398
MB 240-638398/1-A	Method Blank	Total/NA	Solid	6010D	638398
LCS 240-638398/2-A	Lab Control Sample	Total/NA	Solid	6010D	638398
180-183885-19 MS	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	6010D	638398
180-183885-19 MSD	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	6010D	638398
180-183885-31 MS	SSHS-SPA6-B5530A-SUB-2-4	Total/NA	Solid	6010D	638398
180-183885-31 MSD	SSHS-SPA6-B5530A-SUB-2-4	Total/NA	Solid	6010D	638398

General Chemistry

Analysis Batch: 486373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-1	SSHS-SPA6-B5509A-ELEV-848-846	Total/NA	Solid	2540G	
180-183885-2	SSHS-SPA6-B5509A-ELEV-842-840	Total/NA	Solid	2540G	
180-183885-4	SSHS-SPA6-B5512A-ELEV-850-848	Total/NA	Solid	2540G	
180-183885-11	SSHS-SPA6-B5550-ELEV-848-846	Total/NA	Solid	2540G	
180-183885-12	SSHS-SPA6-DUP-02	Total/NA	Solid	2540G	
180-183885-13	SSHS-SPA6-B5550-ELEV-846-844	Total/NA	Solid	2540G	
180-183885-14	SSHS-SPA6-B5550-ELEV-844-842	Total/NA	Solid	2540G	
180-183885-15	SSHS-SPA6-B5550-ELEV-842-840	Total/NA	Solid	2540G	
180-183885-16	SSHS-SPA6-DUP-05	Total/NA	Solid	2540G	
180-183885-19	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	2540G	
180-183885-23	SSHS-SPA6-B5552-ELEV-854-852	Total/NA	Solid	2540G	
180-183885-25	SSHS-SPA6-B5554-ELEV-852-850	Total/NA	Solid	2540G	
180-183885-27	SSHS-SPA6-B5555-ELEV-852-850	Total/NA	Solid	2540G	
180-183885-29	SSHS-SPA6-B5524A-SUB-2-4	Total/NA	Solid	2540G	
180-183885-34	SSHS-SPA6-B5553-SUB-0.17-2	Total/NA	Solid	2540G	
180-183885-35	SSHS-SPA6-DUP-04	Total/NA	Solid	2540G	

DRAFT

General Chemistry (Continued)

Analysis Batch: 486373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-19 DU	SSHS-SPA6-B5551-ELEV-848-846	Total/NA	Solid	2540G	

Analysis Batch: 638286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-7	SSHS-SPA6-B5516A-ELEV-846-844	Total/NA	Solid	Moisture	
180-183885-8	SSHS-SPA6-DUP-01	Total/NA	Solid	Moisture	
180-183885-18	SSHS-SPA6-B5551-ELEV-850-848	Total/NA	Solid	Moisture	
180-183885-31	SSHS-SPA6-B5530A-SUB-2-4	Total/NA	Solid	Moisture	
180-183885-33	SSHS-SPA6-DUP-03	Total/NA	Solid	Moisture	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A SOM01.2 TCL PCBs	6010D TAL Metals (ARSENIC ONLY)	6010D TAL Metals (ARSENIC AND COPPER ONLY)	6010D TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5509A-ELEV-848-846	12/7/24	0805	C	Solid	N	Y	X				4	
SSHS-SPA6-B5509A-ELEV-842-840	12/7/24	0810	C	Solid	N	N	X				2	
SSHS-SPA6-B5509A-ELEV-840-838	12/7/24	0815	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-850-848	12/7/24	0936	C	Solid	N	N	X				2	
SSHS-SPA6-B5512A-ELEV-848-846	12/7/24	0944	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-846-844	12/7/24	0950	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5516A-ELEV-846-844	12/7/24	1043	C	Solid	N	N			X		2	
SSHS-SPA6-DUP-01	12/7/24	–	C	Solid	N	N			X		2	
SSHS-SPA6-B5516A-ELEV-844-842	12/7/24	1045	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5516A-ELEV-842-840	12/7/24	1050	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5550-ELEV-848-846	12/7/24	0850	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-02	12/7/24	–	C	Solid	N	N	X				2	

180-183885 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		12/9/24/1500	Geosyntec		12/10/24 0955	EPLNE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks:

12/16/2024

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A SOM01.2 TCL PCBs	6010D TAL Metals (ARSENIC ONLY)	6010D TAL Metals (ARSENIC AND COPPER ONLY)	6010D TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5550-ELEV-846-844	12/7/24	0855	C	Solid	N	N	X				2	
SSHS-SPA6-B5550-ELEV-844-842	12/7/24	0900	C	Solid	N	N	X	X			2	
SSHS-SPA6-B5550-ELEV-842-840	12/7/24	0905	C	Solid	N	N	X	X			2	Hold Arsenic Sample
SSHS-SPA6-DUP-05	12/7/24	--	C	Solid	N	N	X				2	RUN FOR PCBS ONLY
SSHS-SPA6-B5550-ELEV-840-838	12/7/24	0910	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5551-ELEV-850-848	12/7/24	1100	C	Solid	N	N		X			2	
SSHS-SPA6-B5551-ELEV-848-846	12/7/24	1104	C	Solid	N	Y	X		X		4	
SSHS-SPA6-B5551-ELEV-846-844	12/7/24	1107	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-844-842	12/7/24	1115	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-842-840	12/7/24	1125	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5552-ELEV-854-852	12/7/24	1140	C	Solid	N	N	X				2	
SSHS-SPA6-B5552-ELEV-852-850	12/7/24	1145	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5554-ELEV-852-850	12/7/24	0928	C	Solid	N	Y	X				4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/8/24/1500	Geosyntec	[signature]	12/10/24 0955	EKA NE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins

Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	M STELMACH 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A SOM01.2 TCL PCBs	6010D TAL Metals (ARSENIC ONLY)	6010D TAL Metals (ARSENIC AND COPPER ONLY)	6010D TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5554-ELEV-850-848	12/7/24	0934	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5555-ELEV-852-850	12/7/24	0955	C	Solid	N	N	X				2	
SSHS-SPA6-B5555-ELEV-850-848	12/7/24	1001	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5524A-SUB-2-4	12/7/24	1155	C	Solid	N	N	X				2	
SSHS-SPA6-B5524A-SUB-4-6	12/7/24	1200	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5530A-SUB-2-4	12/7/24	1030	C	Solid	N	Y				X	4	
SSHS-SPA6-B5530A-SUB-4-6	12/7/24	1035	C	Solid	N	N				X	2	Hold Sample
SSHS-SPA6-DUP-03	12/7/24	--	C	Solid	N	N				X	2	
SSHS-SPA6-B5553-SUB-0.17-2	12/7/24	1205	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-04	12/7/24	--	C	Solid	N	N	X				2	
SSHS-SPA6-B5553-SUB-2-4	12/7/24	1207	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5553-SUB-4-6	12/7/24	1215	C	Solid	N	N	X				2	Hold Sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	12/9/24 1500	Geosyntec	[signature]	12/10/24 0955	EQLNE
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

2-8-24 2-9

South Portion A6

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

180-183885 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5509A-ELEV-848-846	12/7/24	0805	C	Solid	N	Y	X				4	
SSHS-SPA6-B5509A-ELEV-842-840	12/7/24	0810	C	Solid	N	N	X				2	
SSHS-SPA6-B5509A-ELEV-840-838	12/7/24	0815	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-850-848	12/7/24	0936	C	Solid	N	N	X				2	
SSHS-SPA6-B5512A-ELEV-848-846	12/7/24	0944	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-846-844	12/7/24	0950	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5516A-ELEV-846-844	12/7/24	1043	C	Solid	N	N			X		2	
SSHS-SPA6-DUP-01	12/7/24	–	C	Solid	N	N			X		2	
SSHS-SPA6-B5516A-ELEV-844-842	12/7/24	1045	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5516A-ELEV-842-840	12/7/24	1050	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5550-ELEV-848-846	12/7/24	0850	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-02	12/7/24	–	C	Solid	N	N	X				2	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 12/9/24/1500	Company: Geosyntec	Received by: JCollins	Date/Time: 12/10/24 930	Company: EWR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5550-ELEV-846-844	12/7/24	0855	C	Solid	N	N	X				2	
SSHS-SPA6-B5550-ELEV-844-842	12/7/24	0900	C	Solid	N	N	X	X			2	
SSHS-SPA6-B5550-ELEV-842-840	12/7/24	0905	C	Solid	N	N	X	X			2	Hold Arsenic Sample
SSHS-SPA6-DUP-05	12/7/24	--	C	Solid	N	N	X				2	RUN FOR PCBS ONLY
SSHS-SPA6-B5550-ELEV-840-838	12/7/24	0910	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5551-ELEV-850-848	12/7/24	1100	C	Solid	N	N		X			2	
SSHS-SPA6-B5551-ELEV-848-846	12/7/24	1104	C	Solid	N	Y	X		X		4	
SSHS-SPA6-B5551-ELEV-846-844	12/7/24	1107	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-844-842	12/7/24	1115	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-842-840	12/7/24	1125	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5552-ELEV-854-852	12/7/24	1140	C	Solid	N	N	X				2	
SSHS-SPA6-B5552-ELEV-852-850	12/7/24	1145	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5554-ELEV-852-850	12/7/24	0928	C	Solid	N	Y	X				4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: Jeolvins	Date/Time: 12/10/24 930	Company: Eltar
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5554-ELEV-850-848	12/7/24	0934	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5555-ELEV-852-850	12/7/24	0955	C	Solid	N	N	X				2	
SSHS-SPA6-B5555-ELEV-850-848	12/7/24	1001	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5524A-SUB-2-4	12/7/24	1155	C	Solid	N	N	X				2	
SSHS-SPA6-B5524A-SUB-4-6	12/7/24	1200	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5530A-SUB-2-4	12/7/24	1030	C	Solid	N	Y				X	4	
SSHS-SPA6-B5530A-SUB-4-6	12/7/24	1035	C	Solid	N	N				X	2	Hold Sample
SSHS-SPA6-DUP-03	12/7/24	–	C	Solid	N	N				X	2	
SSHS-SPA6-B5553-SUB-0.17-2	12/7/24	1205	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-04	12/7/24	–	C	Solid	N	N	X				2	
SSHS-SPA6-B5553-SUB-2-4	12/7/24	1207	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5553-SUB-4-6	12/7/24	1215	C	Solid	N	N	X				2	Hold Sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by: J Collins	Date/Time: 12/6/24 930	Company: ECC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Geosyntec Consultants Inc. Site Name _____ Cooler unpacked by: JC

Cooler Received on 12/10/24 Opened on 12/10/24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # CC Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF 0.1 °C) Observed Cooler Temp. 2.8 °C Corrected Cooler Temp. 2.9 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(Y) (Y)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC448976
14. Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No	(NA)
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-183885-1

Login Number: 183885
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/23/2024 8:44:27 AM

JOB DESCRIPTION

Former Sperry Remington-South Portion, Addendum#6

JOB NUMBER

180-183885-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
12/23/2024 8:44:27 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

DRAFT

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DRAFT

Job ID: 180-183885-2 Eurofins Pittsburgh

Job Narrative
180-183885-2

Comments
This report contains the results of samples SSHS-SPA6-B5512A-ELEV-848-846 (180-183855-5), SHS-SPA6-B5550-ELEV-840-838 (180-183855-17), SSHS-SPA6-B5552-ELEV-852-850 (180-183855-24), SSHS-SPA6-B5554-ELEV-850-848 (180-183855-26), and SSHS-SPA6-B5555-ELEV-850-848 (180-183855-28), activated for PCB analysis on 12/17/24.

Receipt
The samples were received on 12/10/2024 at the Eurofins Pittsburgh, PA and Cleveland (Barberton), OH laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.9º C, 3.7º C and 4.8º C.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-486943 (CCVIS 180-486943/18) was below criteria for surrogate tetrachloro-m-xylene on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

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

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

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Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

DRAFT

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids

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Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-183885-5	SSHS-SPA6-B5512A-ELEV-848-846	Solid	12/07/24 09:44	12/10/24 09:55
180-183885-17	SSHS-SPA6-B5550-ELEV-840-838	Solid	12/07/24 09:10	12/10/24 09:55
180-183885-24	SSHS-SPA6-B5552-ELEV-852-850	Solid	12/07/24 11:45	12/10/24 09:55
180-183885-26	SSHS-SPA6-B5554-ELEV-850-848	Solid	12/07/24 09:34	12/10/24 09:55
180-183885-28	SSHS-SPA6-B5555-ELEV-850-848	Solid	12/07/24 10:01	12/10/24 09:55

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Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Method	Method Description	Protocol	Laboratory
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5512A-ELEV-848-846
Lab Sample ID: 180-183885-5
Date Collected: 12/07/24 09:44
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486750	12/17/24 10:17	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5512A-ELEV-848-846
Lab Sample ID: 180-183885-5
Date Collected: 12/07/24 09:44
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486833	12/18/24 07:09	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	486943	12/19/24 13:35	JMO	EET PIT
	Instrument ID: CHGC20									

Client Sample ID: SSHS-SPA6-B5550-ELEV-840-838
Lab Sample ID: 180-183885-17
Date Collected: 12/07/24 09:10
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486765	12/17/24 11:05	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5550-ELEV-840-838
Lab Sample ID: 180-183885-17
Date Collected: 12/07/24 09:10
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	486833	12/18/24 07:09	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	486943	12/19/24 14:28	JMO	EET PIT
	Instrument ID: CHGC20									

Client Sample ID: SSHS-SPA6-B5552-ELEV-852-850
Lab Sample ID: 180-183885-24
Date Collected: 12/07/24 11:45
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486765	12/17/24 11:05	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5552-ELEV-852-850
Lab Sample ID: 180-183885-24
Date Collected: 12/07/24 11:45
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	486833	12/18/24 07:09	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	486943	12/19/24 14:45	JMO	EET PIT
	Instrument ID: CHGC20									

DRAFT

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5554-ELEV-850-848
Lab Sample ID: 180-183885-26
Date Collected: 12/07/24 09:34
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			487000	12/19/24 14:51	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5554-ELEV-850-848
Lab Sample ID: 180-183885-26
Date Collected: 12/07/24 09:34
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	486833	12/18/24 07:09	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	486943	12/19/24 15:03	JMO	EET PIT
	Instrument ID: CHGC20									

Client Sample ID: SSHS-SPA6-B5555-ELEV-850-848
Lab Sample ID: 180-183885-28
Date Collected: 12/07/24 10:01
Matrix: Solid
Date Received: 12/10/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			487000	12/19/24 14:51	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SPA6-B5555-ELEV-850-848
Lab Sample ID: 180-183885-28
Date Collected: 12/07/24 10:01
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	486833	12/18/24 07:09	MKK	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	486943	12/19/24 15:21	JMO	EET PIT
	Instrument ID: CHGC20									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:
Lab: EET PIT
- Batch Type: Prep
  - MKK = Mary Kenny
- Batch Type: Analysis
  - CMC = Candace California
  - EBA = Elizabeth Arbster
  - JMO = John Oravec

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-2

Client Sample ID: SSHS-SPA6-B5512A-ELEV-848-846

Lab Sample ID: 180-183885-5
Date Collected: 12/07/24 09:44
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1221	ND		19	6.8	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1232	ND		19	4.7	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1248	ND		19	4.6	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1254	ND		19	5.8	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1260	ND		19	5.5	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1262	ND		19	6.8	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/18/24 07:09	12/19/24 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*57 - 146*	*12/18/24 07:09*	*12/19/24 13:35*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*57 - 146*	*12/18/24 07:09*	*12/19/24 13:35*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*60 - 135*	*12/18/24 07:09*	*12/19/24 13:35*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*60 - 135*	*12/18/24 07:09*	*12/19/24 13:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.0**		0.1	0.1	%			12/17/24 10:17	1
Percent Solids (SM22 2540G)	**86.0**		0.1	0.1	%			12/17/24 10:17	1

Client Sample ID: SSHS-SPA6-B5550-ELEV-840-838

Lab Sample ID: 180-183885-17
Date Collected: 12/07/24 09:10
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 85.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1221	ND		19	6.7	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1232	ND		19	4.6	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1248	**290**		19	4.6	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1254	**350**		19	5.7	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1260	**100**		19	5.4	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1262	ND		19	6.7	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/18/24 07:09	12/19/24 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*57 - 146*	*12/18/24 07:09*	*12/19/24 14:28*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*57 - 146*	*12/18/24 07:09*	*12/19/24 14:28*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*60 - 135*	*12/18/24 07:09*	*12/19/24 14:28*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*60 - 135*	*12/18/24 07:09*	*12/19/24 14:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.7**		0.1	0.1	%			12/17/24 11:05	1
Percent Solids (SM22 2540G)	**85.3**		0.1	0.1	%			12/17/24 11:05	1

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-2

Client Sample ID: SSHS-SPA6-B5552-ELEV-852-850

Lab Sample ID: 180-183885-24
Date Collected: 12/07/24 11:45
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 87.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1221	ND		18	6.5	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1232	ND		18	4.5	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1242	ND		18	2.7	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1248	ND		18	4.4	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1254	**79**		18	5.5	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1260	**37**		18	5.3	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1262	ND		18	6.5	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1
PCB-1268	ND		18	2.5	ug/Kg	☼	12/18/24 07:09	12/19/24 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*57 - 146*	*12/18/24 07:09*	*12/19/24 14:45*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*57 - 146*	*12/18/24 07:09*	*12/19/24 14:45*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*12/18/24 07:09*	*12/19/24 14:45*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*60 - 135*	*12/18/24 07:09*	*12/19/24 14:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.7**		0.1	0.1	%			12/17/24 11:05	1
Percent Solids (SM22 2540G)	**87.3**		0.1	0.1	%			12/17/24 11:05	1

Client Sample ID: SSHS-SPA6-B5554-ELEV-850-848

Lab Sample ID: 180-183885-26
Date Collected: 12/07/24 09:34
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1221	ND		19	6.7	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1232	ND		19	4.6	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1248	**50**		19	4.6	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1254	**38**		19	5.7	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1260	ND		19	5.4	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1262	ND		19	6.7	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/18/24 07:09	12/19/24 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*57 - 146*	*12/18/24 07:09*	*12/19/24 15:03*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*57 - 146*	*12/18/24 07:09*	*12/19/24 15:03*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*60 - 135*	*12/18/24 07:09*	*12/19/24 15:03*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*60 - 135*	*12/18/24 07:09*	*12/19/24 15:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.9**		0.1	0.1	%			12/19/24 14:51	1
Percent Solids (SM22 2540G)	**86.1**		0.1	0.1	%			12/19/24 14:51	1

DRAFT

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Client Sample ID: SSHS-SPA6-B5555-ELEV-850-848
Lab Sample ID: 180-183885-28
Date Collected: 12/07/24 10:01
Matrix: Solid
Date Received: 12/10/24 09:55
Percent Solids: 86.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1221	ND		19	6.8	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1232	ND		19	4.7	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1242	ND		19	2.8	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1248	ND		19	4.6	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1254	**5800**		19	5.8	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1260	ND		19	5.5	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1262	ND		19	6.8	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1
PCB-1268	ND		19	2.6	ug/Kg	☼	12/18/24 07:09	12/19/24 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*		*57 - 146*	*12/18/24 07:09*	*12/19/24 15:21*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*57 - 146*	*12/18/24 07:09*	*12/19/24 15:21*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*60 - 135*	*12/18/24 07:09*	*12/19/24 15:21*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*60 - 135*	*12/18/24 07:09*	*12/19/24 15:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.9**		0.1	0.1	%			12/19/24 14:51	1
Percent Solids (SM22 2540G)	**86.1**		0.1	0.1	%			12/19/24 14:51	1

DRAFT

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-South Portion, Addendum#6

Job ID: 180-183885-2

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-486833/1-A
Matrix: Solid
Analysis Batch: 486943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1221	ND		17	5.9	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1232	ND		17	4.1	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1242	ND		17	2.4	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1248	ND		17	4.0	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1254	ND		17	5.0	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1260	ND		17	4.7	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1262	ND		17	5.9	ug/Kg		12/18/24 07:09	12/19/24 13:00	1
PCB-1268	ND		17	2.2	ug/Kg		12/18/24 07:09	12/19/24 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*57 - 146*	*12/18/24 07:09*	*12/19/24 13:00*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*	*12/18/24 07:09*	*12/19/24 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*60 - 135*	*12/18/24 07:09*	*12/19/24 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*60 - 135*	*12/18/24 07:09*	*12/19/24 13:00*	*1*

Lab Sample ID: LCS 180-486833/2-A
Matrix: Solid
Analysis Batch: 486943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 486833

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1200		ug/Kg		90	48 - 132		
PCB-1260			1330	985		ug/Kg		74	45 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*81*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*100*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*97*		*60 - 135*

Lab Sample ID: 180-183885-5 MS
Matrix: Solid
Analysis Batch: 486943

Client Sample ID: SSHS-SPA6-B5512A-ELEV-848-846
Prep Type: Total/NA
Prep Batch: 486833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1530	1290		ug/Kg	☼	85	48 - 132		
PCB-1260	ND		1530	1050		ug/Kg	☼	68	45 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*68*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*78*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*91*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*87*		*60 - 135*

DRAFT

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-183885-5 MSD — **Client Sample ID: SSHS-SPA6-B5512A-ELEV-848-846**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 486943 — **Prep Batch: 486833**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1520	1270		ug/Kg	☼	83	48 - 132	2	25
PCB-1260	ND		1520	1020		ug/Kg	☼	67	45 - 128	2	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*66*		*57 - 146*
DCB Decachlorobiphenyl (Surr)	*76*		*57 - 146*
Tetrachloro-m-xylene (Surr)	*90*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*86*		*60 - 135*

Method: 2540G - SM 2540G

Lab Sample ID: 180-183885-17 DU — **Client Sample ID: SSHS-SPA6-B5550-ELEV-840-838**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 486765

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14.7		15.1		%		3	10
Percent Solids	85.3		84.9		%		0.5	10

DRAFT

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-183885-2
Project/Site: Former Sperry Remington-South Portion, Addendum#6

GC Semi VOA

Prep Batch: 486833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-5	SSHS-SPA6-B5512A-ELEV-848-846	Total/NA	Solid	3541	
180-183885-17	SSHS-SPA6-B5550-ELEV-840-838	Total/NA	Solid	3541	
180-183885-24	SSHS-SPA6-B5552-ELEV-852-850	Total/NA	Solid	3541	
180-183885-26	SSHS-SPA6-B5554-ELEV-850-848	Total/NA	Solid	3541	
180-183885-28	SSHS-SPA6-B5555-ELEV-850-848	Total/NA	Solid	3541	
MB 180-486833/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-486833/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-183885-5 MS	SSHS-SPA6-B5512A-ELEV-848-846	Total/NA	Solid	3541	
180-183885-5 MSD	SSHS-SPA6-B5512A-ELEV-848-846	Total/NA	Solid	3541	

Analysis Batch: 486943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-5	SSHS-SPA6-B5512A-ELEV-848-846	Total/NA	Solid	EPA 8082A	486833
180-183885-17	SSHS-SPA6-B5550-ELEV-840-838	Total/NA	Solid	EPA 8082A	486833
180-183885-24	SSHS-SPA6-B5552-ELEV-852-850	Total/NA	Solid	EPA 8082A	486833
180-183885-26	SSHS-SPA6-B5554-ELEV-850-848	Total/NA	Solid	EPA 8082A	486833
180-183885-28	SSHS-SPA6-B5555-ELEV-850-848	Total/NA	Solid	EPA 8082A	486833
MB 180-486833/1-A	Method Blank	Total/NA	Solid	EPA 8082A	486833
LCS 180-486833/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	486833
180-183885-5 MS	SSHS-SPA6-B5512A-ELEV-848-846	Total/NA	Solid	EPA 8082A	486833
180-183885-5 MSD	SSHS-SPA6-B5512A-ELEV-848-846	Total/NA	Solid	EPA 8082A	486833

General Chemistry

Analysis Batch: 486750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-5	SSHS-SPA6-B5512A-ELEV-848-846	Total/NA	Solid	2540G	

Analysis Batch: 486765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-17	SSHS-SPA6-B5550-ELEV-840-838	Total/NA	Solid	2540G	
180-183885-24	SSHS-SPA6-B5552-ELEV-852-850	Total/NA	Solid	2540G	
180-183885-17 DU	SSHS-SPA6-B5550-ELEV-840-838	Total/NA	Solid	2540G	

Analysis Batch: 487000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-183885-26	SSHS-SPA6-B5554-ELEV-850-848	Total/NA	Solid	2540G	
180-183885-28	SSHS-SPA6-B5555-ELEV-850-848	Total/NA	Solid	2540G	

DRAFT

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A SOM01.2 TCL PCBs	6010D TAL Metals (ARSENIC ONLY)	6010D TAL Metals (ARSENIC AND COPPER ONLY)	6010D TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5509A-ELEV-848-846	12/7/24	0805	C	Solid	N	Y	X				4	
SSHS-SPA6-B5509A-ELEV-842-840	12/7/24	0810	C	Solid	N	N	X				2	
SSHS-SPA6-B5509A-ELEV-840-838	12/7/24	0815	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-850-848	12/7/24	0936	C	Solid	N	N	X				2	
SSHS-SPA6-B5512A-ELEV-848-846	12/7/24	0944	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-846-844	12/7/24	0950	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5516A-ELEV-846-844	12/7/24	1043	C	Solid	N	N			X		2	
SSHS-SPA6-DUP-01	12/7/24	–	C	Solid	N	N			X		2	
SSHS-SPA6-B5516A-ELEV-844-842	12/7/24	1045	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5516A-ELEV-842-840	12/7/24	1050	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5550-ELEV-848-846	12/7/24	0850	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-02	12/7/24	–	C	Solid	N	N	X				2	

180-183885 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/9/24/1500	Geosyntec	[signature]	12/10/24 0955	FEDEX
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

12/20/2024

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A SOM01.2 TCL PCBs	6010D TAL Metals (ARSENIC ONLY)	6010D TAL Metals (ARSENIC AND COPPER ONLY)	6010D TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5550-ELEV-846-844	12/7/24	0855	C	Solid	N	N	X				2	
SSHS-SPA6-B5550-ELEV-844-842	12/7/24	0900	C	Solid	N	N	X	X			2	
SSHS-SPA6-B5550-ELEV-842-840	12/7/24	0905	C	Solid	N	N	X	X			2	Hold Arsenic Sample
SSHS-SPA6-DUP-05	12/7/24	--	C	Solid	N	N	X				2	RUN FOR PCBS ONLY
SSHS-SPA6-B5550-ELEV-840-838	12/7/24	0910	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5551-ELEV-850-848	12/7/24	1100	C	Solid	N	N		X			2	
SSHS-SPA6-B5551-ELEV-848-846	12/7/24	1104	C	Solid	N	Y	X		X		4	
SSHS-SPA6-B5551-ELEV-846-844	12/7/24	1107	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-844-842	12/7/24	1115	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-842-840	12/7/24	1125	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5552-ELEV-854-852	12/7/24	1140	C	Solid	N	N	X				2	
SSHS-SPA6-B5552-ELEV-852-850	12/7/24	1145	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5554-ELEV-852-850	12/7/24	0928	C	Solid	N	Y	X				4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 12/8/24 1500	Company: Geosyntec	Received by:	Date/Time: 12/10/24 0955	Company: EAN E
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins

Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	M STELMACH 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A SOM01.2 TCL PCBs	6010D TAL Metals (ARSENIC ONLY)	6010D TAL Metals (ARSENIC AND COPPER ONLY)	6010D TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5554-ELEV-850-848	12/7/24	0934	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5555-ELEV-852-850	12/7/24	0955	C	Solid	N	N	X				2	
SSHS-SPA6-B5555-ELEV-850-848	12/7/24	1001	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5524A-SUB-2-4	12/7/24	1155	C	Solid	N	N	X				2	
SSHS-SPA6-B5524A-SUB-4-6	12/7/24	1200	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5530A-SUB-2-4	12/7/24	1030	C	Solid	N	Y				X	4	
SSHS-SPA6-B5530A-SUB-4-6	12/7/24	1035	C	Solid	N	N				X	2	Hold Sample
SSHS-SPA6-DUP-03	12/7/24	--	C	Solid	N	N				X	2	
SSHS-SPA6-B5553-SUB-0.17-2	12/7/24	1205	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-04	12/7/24	--	C	Solid	N	N	X				2	
SSHS-SPA6-B5553-SUB-2-4	12/7/24	1207	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5553-SUB-4-6	12/7/24	1215	C	Solid	N	N	X				2	Hold Sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/9/24 1500	Geosyntec	[signature]	12/10/24 0955	EQLNE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

2-8-24 2-9

South Portion A6

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 3
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044		
Phone: 40-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site	Project #: 18013464	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

180-183885 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5509A-ELEV-848-846	12/7/24	0805	C	Solid	N	Y	X				4	
SSHS-SPA6-B5509A-ELEV-842-840	12/7/24	0810	C	Solid	N	N	X				2	
SSHS-SPA6-B5509A-ELEV-840-838	12/7/24	0815	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-850-848	12/7/24	0936	C	Solid	N	N	X				2	
SSHS-SPA6-B5512A-ELEV-848-846	12/7/24	0944	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5512A-ELEV-846-844	12/7/24	0950	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5516A-ELEV-846-844	12/7/24	1043	C	Solid	N	N			X		2	
SSHS-SPA6-DUP-01	12/7/24	–	C	Solid	N	N			X		2	
SSHS-SPA6-B5516A-ELEV-844-842	12/7/24	1045	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5516A-ELEV-842-840	12/7/24	1050	C	Solid	N	N			X		2	Hold Sample
SSHS-SPA6-B5550-ELEV-848-846	12/7/24	0850	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-02	12/7/24	–	C	Solid	N	N	X				2	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 12/9/24/1500	Company: Geosyntec	Received by: JCollins	Date/Time: 12/10/24 930	Company: EWR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 3
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			Other:
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N		
SSHS-SPA6-B5550-ELEV-846-844	12/7/24	0855	C	Solid	N	N	X				2	
SSHS-SPA6-B5550-ELEV-844-842	12/7/24	0900	C	Solid	N	N	X	X			2	
SSHS-SPA6-B5550-ELEV-842-840	12/7/24	0905	C	Solid	N	N	X	X			2	Hold Arsenic Sample
SSHS-SPA6-DUP-05	12/7/24	--	C	Solid	N	N	X				2	RUN FOR PCBS ONLY
SSHS-SPA6-B5550-ELEV-840-838	12/7/24	0910	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5551-ELEV-850-848	12/7/24	1100	C	Solid	N	N		X			2	
SSHS-SPA6-B5551-ELEV-848-846	12/7/24	1104	C	Solid	N	Y	X		X		4	
SSHS-SPA6-B5551-ELEV-846-844	12/7/24	1107	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-844-842	12/7/24	1115	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5551-ELEV-842-840	12/7/24	1125	C	Solid	N	N	X		X		2	Hold Sample
SSHS-SPA6-B5552-ELEV-854-852	12/7/24	1140	C	Solid	N	N	X				2	
SSHS-SPA6-B5552-ELEV-852-850	12/7/24	1145	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5554-ELEV-852-850	12/7/24	0928	C	Solid	N	Y	X				4	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
	12/9/2024 1500		Jeolvins	12/10/24 930	Eltr
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

South Portion A6

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 3 of 3
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - SOM01.2 TCL PCBs	6010D - TAL Metals (ARSENIC ONLY)	6010D - TAL Metals (ARSENIC AND COPPER ONLY)	6010D - TAL Metals (ARSENIC AND CADMIUM ONLY)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SSHS-SPA6-B5554-ELEV-850-848	12/7/24	0934	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5555-ELEV-852-850	12/7/24	0955	C	Solid	N	N	X				2	
SSHS-SPA6-B5555-ELEV-850-848	12/7/24	1001	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5524A-SUB-2-4	12/7/24	1155	C	Solid	N	N	X				2	
SSHS-SPA6-B5524A-SUB-4-6	12/7/24	1200	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5530A-SUB-2-4	12/7/24	1030	C	Solid	N	Y				X	4	
SSHS-SPA6-B5530A-SUB-4-6	12/7/24	1035	C	Solid	N	N				X	2	Hold Sample
SSHS-SPA6-DUP-03	12/7/24	–	C	Solid	N	N				X	2	
SSHS-SPA6-B5553-SUB-0.17-2	12/7/24	1205	C	Solid	N	N	X				2	
SSHS-SPA6-DUP-04	12/7/24	–	C	Solid	N	N	X				2	
SSHS-SPA6-B5553-SUB-2-4	12/7/24	1207	C	Solid	N	N	X				2	Hold Sample
SSHS-SPA6-B5553-SUB-4-6	12/7/24	1215	C	Solid	N	N	X				2	Hold Sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Geosyntec Consultants Inc. Site Name _____ Cooler unpacked by: JC

Cooler Received on 12/10/24 Opened on 12/10/24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # CC Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 17 (CF 0.1 °C) Observed Cooler Temp. 2.8 °C Corrected Cooler Temp. 2.9 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC448976
14. Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No	(NA)
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-183885-2

Login Number: 183885
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

DRAFT

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

DRAFT

Attachment E