Beech and Bonaparte
engineering p.c.
an affiliate of Geosyntec Consultants

10211 Wincopin Circle, Floor 4
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

23 February 2018

Mr. Timothy Schneider
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

Subject: **Amendment #1**
Interim Remedial Measure (IRM) #2 Pre-Design Investigation
Former Sperry Remington Site – North Portion (#c808022)
777 South Main Street, City of Elmira, Chemung County, NY

Dear Mr. Schneider:

On behalf of Unisys Corporation (Unisys), Geosyntec Consultants, Inc. and its New York engineering affiliate, Beech and Bonaparte Engineering, P.C. (collectively, Geosyntec) are submitting this first amendment to the Interim Remedial Measure (IRM) #2 Pre-Design Investigation (PDI) Work Plan for the Former Sperry Remington Site – North Portion (Site #c808022) (Site) in Elmira, New York. The Site is located at the Elmira High School (EHS) property (formerly known as Southside High School), 777 South Main Street in Elmira, Chemung County, New York (see **Figure 1**). On 26 April 2016, Unisys applied to enter the Site into the New York State Department of Environmental Conservation (NYSDEC) Brownfields Cleanup Program (BCP) with the consent of Elmira City School District (ECSD). NYSDEC gave an initial determination that the BCP application is complete on 10 June 2016 and received public comments until 22 July 2016. BCP Agreement for the Site were executed on 23 March 2017. In Summer 2017, Unisys conducted an IRM to remove soils containing polychlorinated biphenyls (PCBs) at the EHS main parking lot and tennis courts in coordination with EHS capital improvement program (CIP) construction in accordance with the BCP Agreement and an IRM Work Plan dated 11 July 2017 and conditionally approved on 10 August 2017.

Unisys is planning a second IRM (IRM #2) to be conducted in late Spring/Summer 2018 in coordination with EHS CIP construction in the South (Rear) Parking Lot. Review of validated data received to date indicate the need for additional data collection to complete an IRM design. An agency review draft of IRM #2 PDI Work Plan was submitted to NYSDEC on 13 December 2017. A revised agency draft dated 12 January 2018 presented additional information in response to agency comments received on 4 January 2018 that gave conditional approval to proceed. The objectives of this PDI Work Plan were to define the horizontal and vertical limits of PCBs in Site soils that exceed Site Cleanup Objectives (SCOs) and provide waste characterization data for proper disposition of Site soils from the Rear Parking Lot area of the Site. IRM #2 PDI field work was conducted between 5 and 24 January 2018. Subsurface soil borings were installed at one hundred twenty-one (172) locations to delineate the horizontal and vertical extent of PCBs in subsurface soils and collect waste characterization data. A summary of borings installed, sampling locations, and sampling depths is presented on **Table 1**. The locations of the subsurface soil borings are shown on **Figure 2**. Soil samples were collected using direct push technology (DPT). Each DPT boring

was advanced to a terminal depth corresponding with a depth prescribed in IRM #2 PDI Work Plan or upon refusal. Boring logs are presented in Attachment 1

Soil samples were handled in accordance with the Quality Assurance Project Plan/Field Sampling Plan (QAPP/FSP) presented in the Site Characterization Work Plan (SC Work Plan) for the Site and shipped to the TestAmerica Pittsburgh Laboratory for analyses for PCBs and waste characterization parameters in accordance with IRM PDI Work Plan #2 and field modifications. Analytical data packages generated by TestAmerica during IRM #2 were validated by Geosyntec except for waste characterization data. Analytical data packages were reviewed for completeness, field and laboratory quality control (QC) sample results were evaluated, significant laboratory control problems were assessed, and data qualifiers were assigned. Data validation was performed on analytical data generated during the PDI to verify and validate the usability of those data. Verification and validation were based on completeness and compliance checks of sample receipt conditions, both sample-related and instrument-related QC results, recalculation checks, and review of actual instrument outputs. All data were found to be suitable for their intended use, except as noted in the validation reports. Analytical data packages and data validation reports will be included in the IRM Work Plan to be submitted to NYSDEC upon completion of this PDI Work Plan addendum. **Tables 2 and 3** present a summary of the validated PCB analytical results for soils. **Table 4** presents a summary of the waste characterization results.

The following section presents an extended scope of work to the 12 January 2018 PDI Work Plan to address assessed data gaps in PCB delineation in soil in order to design IRM #2 to address PCBs in Site soils beginning in late Spring/Summer 2017.

PROPOSED SCOPE OF WORK

Delineation of PCBs in Soils

Figure 3 presents the extent of total PCBs in shallow subsurface (less than two (2) feet bgs) soils, respectively. Total PCB concentrations in shallow subsurface soil are compared to the Restricted Residential Soil Cleanup Objective (SCO) for total PCBs of one (1) mg/kg and the threshold for PCB remediation waste of fifty (50) mg/kg as defined in 40 CFR §761.3 (TSCA). TSCA limits are not presented as soil cleanup goals but are considered in PCB delineation for identification of those soils that may be classified as hazardous waste containing PCBs as defined in 6 NYCRR Part 371.4 (e). Proposed shallow subsurface sample locations are presented on **Figure 3** to address data gaps in delineation of total PCBs to one (1) mg/kg for proposed excavation and delineation of total PCBs to fifty (50) mg/kg as the limit of PCB remediation waste. Horizontal data gaps may also exist where historic samples delineating potential limits of excavation or PCB remediation waste concentrations were collected with less than fifty percent (50%) recovery in a given two feet bgs interval. **Table 5** presents the proposed samples and sampling rationale.

Figures 4 to **9** present the extent of total PCBs in subsurface soils below two (2) feet bgs at two-foot (2 ft) intervals to a total depth of fourteen (14) feet bgs and proposed soil sample locations at each interval to address data gaps in the horizontal and vertical delineation of PCBs in soils. PDI sampling results for those intervals are presented in **Table 3**. Total PCB concentrations in soil are compared to a screening value of ten (10) mg/kg for delineation and to the TSCA limit of fifty (50) mg/kg for PCB remediation wastes. Total

PCBs have not been detected above groundwater standards in groundwater samples collected from monitoring wells MW-42, MW-43 and MW-46 (see **Figure 2**). Therefore, comparison to the Protection of Ground Water SCO for total PCBs of 3.2 mg/kg is not considered. Proposed subsurface sample locations are presented on **Figures 4** to **9** to address data gaps in delineation of total PCBs to ten (10) mg/kg for proposed excavation and delineation of total PCBs to fifty (50) mg/kg as the limit of PCB remediation waste. Horizontal data gaps may exist where the distance between two historic samples delineating potential limits of excavation or PCB remediation waste is greater than thirty (30) linear feet. **Table 5** presents the proposed samples and sampling rationale.

Soil sampling below two (2) feet bgs will also be used to pre-delineate the potential bottom of excavation of each two-foot interval in areas where the two-foot interval below may not be removed for remedial purposes. Potential bottoms of excavation areas are shown on **Figures 5** to **9**. Limits of excavation are approximate and are subject to change during IRM design. Bottom samples will be collected to provide up to one (1) sample per nine hundred (900) square feet (SF) including historical data. The total number of bottom samples may be less than one (1) sample per nine hundred (900) SF based on the level of PCB detections in the two-foot soil interval above with respect to screening values or the dimensions of the area.

Proposed soil sample locations are presented on **Figure 10** and **Table 5**. Soil samples will be collected using direct push technology (DPT) or hand augering (where necessary) in accordance with the QAPP/FSP. Soil sampling within the first two (2) feet of soil cover will be conducted by collection of a composite shallow soil sample from zero (0) to two (2) feet bgs. Soil sampling in subsurface soils to ten (10) mg/kg below two (2) feet bgs will be conducted by collection of composite samples over two-foot intervals (2 ft) between two (2) and fourteen (14) feet bgs. Sampling intervals for each soil boring location are presented in **Table 5**. Soil samples will be submitted to a fixed laboratory for PCB analyses with an expedited (3-day) turnaround time (TAT) in accordance with the QAPP/FSP. As presented on **Table 5**, select samples will be held for PCB analysis. Upon receipt of un-validated analytical results, Unisys will identify samples that will be released for analyses.

Waste Characterization

Waste characterization data was collected during IRM #2 PDI to develop waste profiles to be pre-approved by the receiving facilities prior to IRM construction. This will allow soils to be directly loaded for transport to the disposal facilities. Based on discussion with the disposal facilities, waste characterization samples will be collected at frequency of one (1) per three hundred (300) cubic yards of anticipated disposal volume in each two-foot interval. Samples in areas anticipated to be disposed as PCB remediation waste were analyzed for pH, cyanide, sulfide, flash point, total volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), herbicides and pesticides, and toxicity characteristic leaching procedure (TCLP) metals. Samples for TCLP VOCs, SVOCs, herbicides and pesticides analyses were collected and held for analyses. If the result of a total constituent analysis exceeded twenty times (20x) the toxicity characteristic threshold, the corresponding TCLP sample was released for analysis. Samples in areas anticipated to be disposed as non-hazardous waste will be analyzed for pH, cyanide, sulfide, flash point, TCLP metals, TCLP VOCs, TCLP SVOCs, and TCLP herbicide/pesticides. **Tables 4** presents a summary of the waste characterization results. Only one sample had results characteristic of hazardous waste. Sample SSHS-B888-SUB-2-4 had a detection of lead in the TCLP extract of 7.6 milligrams per Liter

(mg/L), above the toxicity characteristic threshold of five (5) mg/L. The extent of TCLP lead in soil is presented in **Figures 4** to **9**. The single exceedance of the toxicity characteristic threshold of lead is bounded within the area of the proposed IRM. Further delineation of that exceedance is not indicated because those soils will be removed during the IRM.

Due to an increase in the anticipated volume of soils to be transported off-Site for disposal based on the PDI results, additional waste characterization samples will be collected from proposed soil borings as indicated on **Table 5**. Samples will be analyzed for pH, cyanide, sulfide, flash point, TCLP metals, TCLP VOCs, TCLP SVOCs, and TCLP herbicide/pesticides.

QUALITY ASSURANCE

Sample handling, including sample custody and sample control, will be conducted in accordance with the QAPP/FSP. Quality control samples, including field duplicates, matrix spike/matrix spike duplicates, trip blanks, and equipment blanks, will be collected at the frequency specified in the QAPP/FSP.

HEALTH AND SAFETY

A Site-specific Health and Safety Plan (HASP) was presented in the SC Work Plan and subsequent addenda. Each contractor will be required to prepare a project-specific HASP in accordance with DER-10 to be followed during implementation of the field program.

IDM MANAGEMENT

Solid investigation-derived material (IDM) that will be generated may include disposable personal protection equipment (PPE), disposable sampling equipment, and excavated material. Liquid IDM that will be generated will consist of water generated during decontamination of field equipment, development water, and purge water. Solid and liquid IDM will be stored in on-site fifty-five (55) gallon drums for waste characterization (if necessary) and appropriate off-site disposal in accordance with the QAPP/FSP.

SCHEDULE AND DELIVERABLES

Unisys will continue implementation of the approved PDI Work Plan as noted in this Addendum with field work planned from 27 February to 3 March 2018 in order to complete an IRM work plan and design by 15 March 2018 and mobilize for IRM construction in June 2018. Completion of the work will be dependent on weather conditions and access.

Unisys will provide NYSDEC with unvalidated laboratory analytical reports in monthly progress reports following receipt from the laboratory. Data validation will begin upon receipt of all analytical data packages.

Validated soil analytical results will be submitted with the monthly progress following completion of data validation and presented in the IRM Work Plan.

CLOSING

Geosyntec appreciates the opportunity to submit this work plan to the NYSDEC, NYSDOH and ECSD. If you have any questions, please contact Mr. Kevin Krueger of Unisys at (651) 687-2210.

Sincerely,

Geosyntec Consultants, Inc.

Paul Brookner, P.G.
Principal/Project Director
Geosyntec Consultants, Inc.

Aron Krasnopoler, Ph.D., P.E.
Project Engineer/Project Manager
Beech and Bonaparte Engineering P.C.

Attachments:
Figure 1 – Site Map
Figure 2 –PDI Soil Investigation Summary: Rear Parking Lot
Figure 3 – Proposed Soil Investigation - Rear Parking Lot (0-2 ft bgs)
Figure 4 – Proposed Soil Investigation - Rear Parking Lot (2-4 ft bgs)
Figure 5 – Proposed Soil Investigation - Rear Parking Lot (4-6 ft bgs)
Figure 6 – Proposed Soil Investigation - Rear Parking Lot (6-8 ft bgs)
Figure 7 – Proposed Soil Investigation - Rear Parking Lot (8-10 ft bgs)
Figure 8 – Proposed Soil Investigation - Rear Parking Lot (10-12 ft bgs)
Figure 9 – Proposed Soil Investigation - Rear Parking Lot (12-14 ft bgs)
Figure 10 – Proposed Soil Investigation – Proposed Boring Locations
Table 1 – Soil Boring Sampling Summary
Table 2 – PCB Results for Shallow Sub-Surface Soil, Rear Parking Lot
Table 3 – PCB Results for Sub-Surface Soil, Rear Parking Lot
Table 4A – Summary of Waste Characterization Results - TCLP
Table 4B – Summary of Waste Characterization Results – Total Constituents
Table 5 – Summary of Proposed Soil Sampling
Attachment 1 – Soil Boring Logs

Copies to:
Bernette Schilling, NYSDEC
Ben Conlon, NYSDEC
Michael Cruden, NYSDEC
Justin Deming, NYSDOH
Dawn Hettrick, NYSDOH
Kevin Krueger, Unisys
John H. Paul, Beveridge & Diamond
Michael G. Murphy, Beveridge & Diamond
Michael Dunn– ECSD
Hillary Austin – ECSD

FIGURES

Notes

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 16 May 2017. Image is dated 2 June 2010.

Site Map

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec consultants

Columbia, Maryland | December 2017

Figure 1

P:\GIS\Elmira - MN08321.Maps\NYDEC_AOCs\SiteCharDataReport\Figure 2 - Site Map Add2.mxd; author; 16-May-2017

Legend

- Soil Borings (2018 PDI)
- Soil Borings (Historic)
- Monitoring Wells

Utilities

- Natural Gas
- Electric
- Water
- Storm Sewer

Notes

ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

0 40 Feet

Historic Soil Investigation Summary
Rear Parking Lot

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 2

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Legend

- Proposed Sample Locations

Lead TCLP (PDI)
- Non-Detect
- Detect, Non-Exceedance

Total PCB Results Soil (2018 PDI)
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Excavation Classification
- Reuse
- Non-Hazardous
- TSCA

Notes
PDI - Predesign Investigation
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

N

0 50 Feet

Proposed Soil Investigation
Rear Parking Lot (0-2 ft bgs)

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 3

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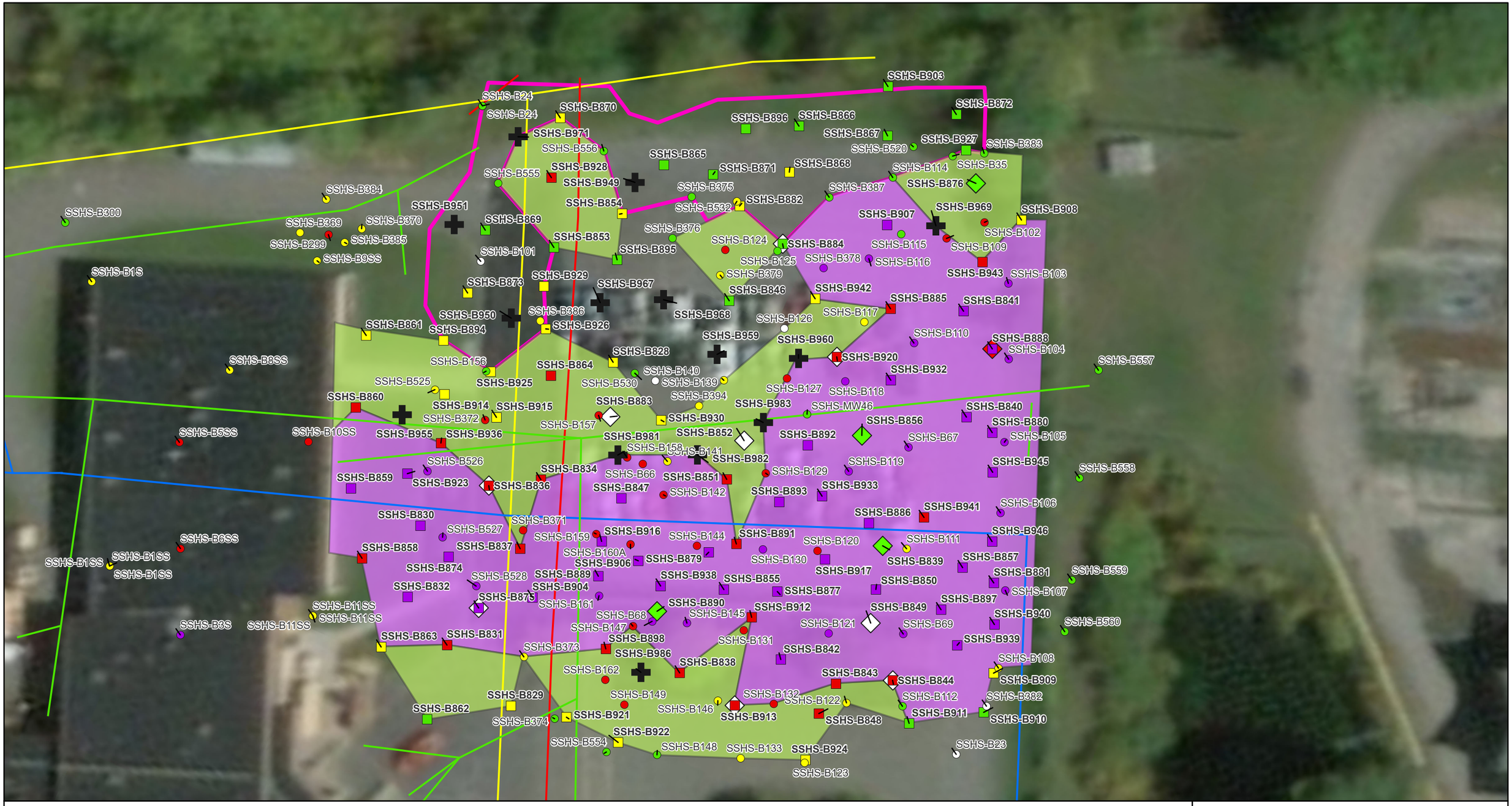

Legend

Proposed Sample Locations

Total PCB Results Soil (Historic)
- Non-Detect
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Total PCB Results Soil (2018 PDI)
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Lead TCLP (PDI)
- Non-Detect
- Detected, Non-Exceedance
- Exceedance

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Excavation Classification
- Non-Hazardous
- TSCA
- Bottom of 0-2 foot Excavation

Notes
PDI - Predesign Investigation
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

N

0 50 Feet

Proposed Soil Investigation
Rear Parking Lot (2-4 ft bgs)

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 4

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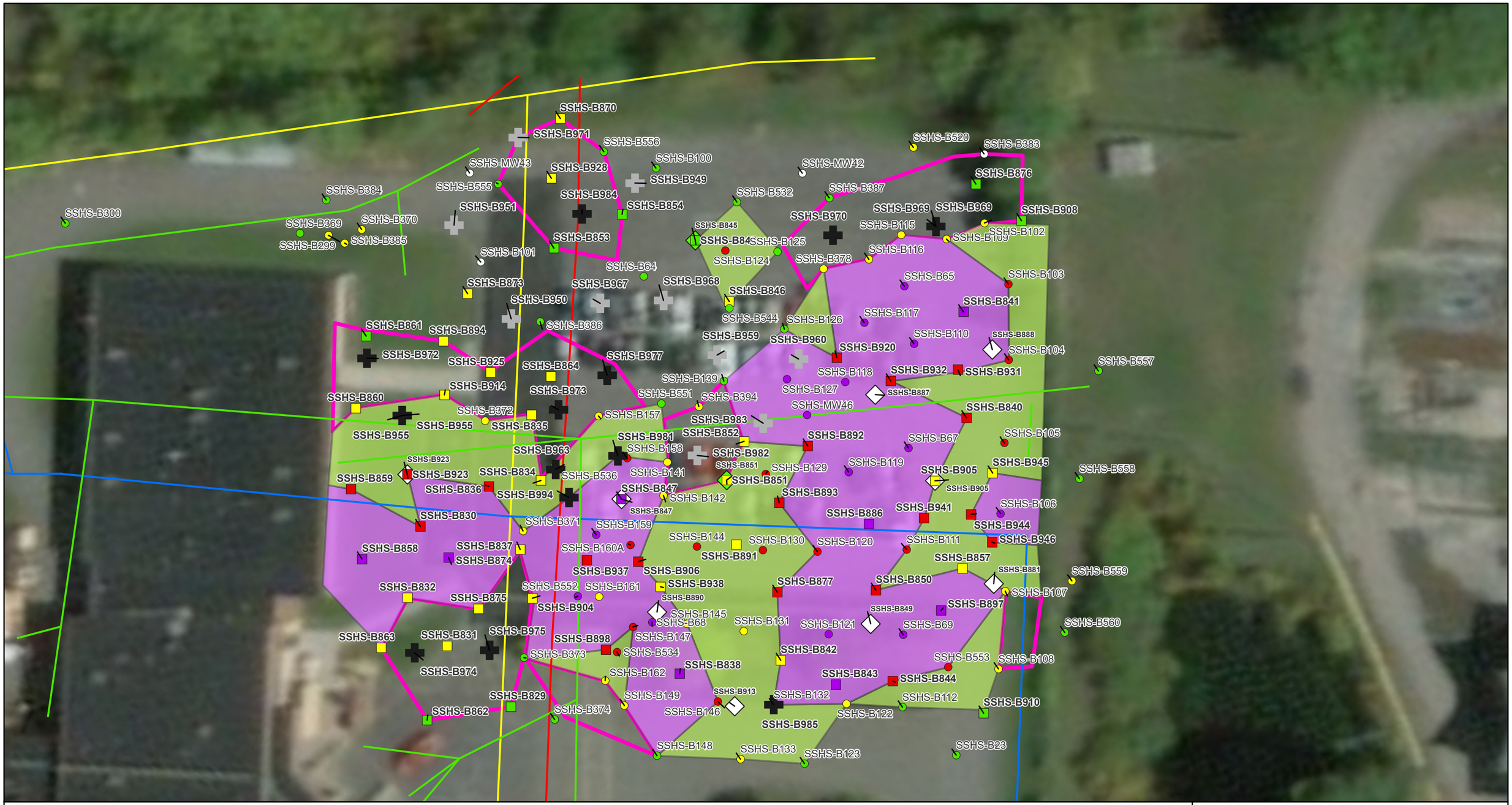

Legend

- Proposed Sample Locations
- Proposed Extract and Hold Sample Locations

Total PCB Results Soil (Historic)
- Non-Detect
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Total PCB Results Soil (2018 PDI)
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Lead TCLP (PDI)
- Non-Detect
- Detect, Non-Exceedance

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Excavation Classification
- Non-Hazardous
- TSCA
- Bottom of 2-4 Foot Excavation

Notes
PDI - Predesign Investigation
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

N

0 50 Feet

Proposed Soil Investigation
Rear Parking Lot (4-6 ft bgs)

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 5

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Legend

- Proposed Sample Locations
- Proposed Extract and Hold Locations

Notes
PDI - Predesign Investigation
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

Total PCB Results Soil (Historic)
- Non-Detect
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Total PCB Results Soil (2018 PDI)
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg

Lead TCLP (PDI)
- Non-Detect
- Detect, Non-Exceedance

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Excavation Classification
- Non-Hazardous
- TSCA
- Bottom of 4-6 Foot Excavation

N

0 50 Feet

Proposed Soil Investigation
Rear Parking Lot (6-8 ft bgs)

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 6

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SSHS-B556
SSHS-B100
SSHS-B520
SSHS-B383
SSHS-B555
SSHS-B875
SSHS-B532
SSHS-B882
SSHS-B102
SSHS-B961
SSHS-B124
SSHS-B550
SSHS-B101
SSHS-B393
SSHS-B64
SSHS-B545
SSHS-B378
SSHS-B962
SSHS-B967
SSHS-B942
SSHS-B65
SSHS-B950
SSHS-B544
SSHS-B885
SSHS-B841
SSHS-B996
SSHS-B126
SSHS-B117A
SSHS-B959
SSHS-B960
SSHS-B918
SSHS-B888
SSHS-B997
SSHS-B977
SSHS-B920
SSHS-B557
SSHS-B537
SSHS-B953
SSHS-B538
SSHS-B952
SSHS-B377
SSHS-B887
SSHS-B955
SSHS-B957
SSHS-B394
SSHS-B973
SSHS-MW46
SSHS-B840
SSHS-B930
SSHS-B883
SSHS-B852
SSHS-B981
SSHS-B856
SSHS-B67
SSHS-B987
SSHS-B989
SSHS-B963
SSHS-B892
SSHS-B392
SSHS-B129
SSHS-B119A
SSHS-B558
SSHS-B536
SSHS-B994
SSHS-B535
SSHS-B905
SSHS-B990
SSHS-B878
SSHS-B542
SSHS-B106A
SSHS-B964
SSHS-B988
SSHS-B886
SSHS-B371
SSHS-B389
SSHS-B541
SSHS-B992
SSHS-B160A
SSHS-B839
SSHS-B879
SSHS-B956
SSHS-B391
SSHS-B991
SSHS-B889
SSHS-B881
SSHS-B559
SSHS-B855
SSHS-B543
SSHS-B850
SSHS-B904
SSHS-B552
SSHS-B390
SSHS-B877
SSHS-B890
SSHS-B890
SSHS-B965
SSHS-B998
SSHS-B978
SSHS-B540
SSHS-B560
SSHS-B373
SSHS-B534
SSHS-B842
SSHS-B986
SSHS-B843
SSHS-B533
SSHS-B395
SSHS-B396
SSHS-B954
SSHS-B848
SSHS-B911
SSHS-B23

Legend

- Proposed Sample Locations
- Proposed Extract and Hold Locations

Total PCB Results Soil (Historic)
- Non-Detect
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Total PCB Results Soil (2018 PDI)
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Lead TCLP (PDI)
- Non-Detect
- Detected, Non-Exceedance

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Excavation Classification
- Non-Hazardous
- TSCA
- Bottom of 6-8 Foot Excavation

Notes
PDI - Predesign Investigation
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

N

0 50 Feet

Proposed Soil Investigation
Rear Parking Lot (8-10 ft bgs)

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 7

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Legend

- Proposed Sample Locations
- Proposed Extract and Hold Locations

Total PCB Results Soil (Historic)
- Non-Detect
- > 0 – 1 mg/kg
- > 10 – 50 mg/kg

Total PCB Results Soil (2018 PDI)
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg
- > 10 – 50 mg/kg
- > 50 mg/kg

Lead TCLP (PDI)
- Non-Detect

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Excavation Classification
- Non-Hazardous
- TSCA
- Bottom of 8-10 Foot Excavation

Notes
PDI - Predesign Investigation
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

N

0 50 Feet

Proposed Soil Investigation
Rear Parking Lot (10-12 ft bgs)

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 8

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SSHS-B556
SSHS-B100
SSHS-B555
SSHS-B101
SSHS-B997
SSHS-B977
SSHS-B957
SSHS-B973
SSHS-B993
SSHS-B981
SSHS-B994
SSHS-B980
SSHS-B888
SSHS-B953
SSHS-B557
SSHS-MW46
SSHS-B856
SSHS-B892
SSHS-B1001
SSHS-B893
SSHS-B886
SSHS-B979
SSHS-B1000
SSHS-B839
SSHS-B917
SSHS-B966
SSHS-B855
SSHS-B995
SSHS-B998
SSHS-B975
SSHS-B978
SSHS-B986
SSHS-B838
SSHS-B999
SSHS-B954

Legend

- Proposed Sample Locations
- Proposed Extract and Hold Locations

Total PCB Results Soil (Historic)
- Non-Detect
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg

Total PCB Results Soil (2018 PDI)
- > 0 – 1 mg/kg
- > 1 – 10 mg/kg

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Excavation Classification
- TSCA (pending)
- Reuse
- Non-Hazardous
- TSCA
- <1 mg/kg

Bottom of 10-12 Foot Excavation

Notes
PDI - Predesign Investigation
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

N

0 50 Feet

Proposed Soil Investigation
Rear Parking Lot (12-14 ft bgs)

Elmira High School
Elmira, New York

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Columbia, Maryland | February 2018

Figure 9

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SSHS-B971
SSHS-B949
SSHS-B984
SSHS-B951
SSHS-B970
SSHS-B969
SSHS-B961
SSHS-B976
SSHS-B962
SSHS-B967
SSHS-B968
SSHS-B950
SSHS-B996
SSHS-B972
SSHS-B959
SSHS-B960
SSHS-B980
SSHS-B997
SSHS-B977
SSHS-B952
SSHS-B953
SSHS-B955
SSHS-B973
SSHS-B993
SSHS-B957
SSHS-B983
SSHS-B981
SSHS-B982
SSHS-B987
SSHS-B963
SSHS-B989
SSHS-B1001
SSHS-B990
SSHS-B994
SSHS-B958
SSHS-B988
SSHS-B992
SSHS-B964
SSHS-B979
SSHS-B956
SSHS-B966
SSHS-B991
SSHS-B965
SSHS-B995
SSHS-B998
SSHS-B974
SSHS-B975
SSHS-B978
SSHS-B986
SSHS-B999
SSHS-B985
SSHS-B954

Legend

Proposed Sample Borings
- 6 ft bgs
- 8 ft bgs
- 10 ft bgs
- 12 ft bgs
- 14 ft bgs

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Notes
ft bgs - Feet below ground surface

Aerial imagery provided by ArcGIS Online.

N

0 50 Feet

Proposed Soil Investigation
Proposed Boring Locations

Elmira High School
Elmira, New York

Geosyntec consultants

Columbia, Maryland | February 2018

Figure 10

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TABLES

TABLE 1
PDI Soil Investigation Summary: Rear Parking Lot
Former Sperry Remington Site - North Portion
Elmira, New York

Sample Locations	Depth Interval						
	Shallow 0 to 2 ft bgs	Sub 1 2 to 4 ft bgs	Sub 2 4 to 6 ft bgs	Sub 3 6 to 8 ft bgs	Sub 4 8 to 10 ft bgs	Sub 5 10 to 12 ft bgs	Sub 6 12 to 14 ft bgs
SSHS-B828	PCB	PCB					
SSHS-B829	PCB	PCB	PCB				
SSHS-B830	PCB	PCB	PCB	EH, NC			
SSHS-B831	PCB	PCB	PCB				
SSHS-B832	PCB	PCB	PCB	PCB			
SSHS-B833	PCB	EH	EH	EH			
SSHS-B834	HW	PCB	PCB	PCB			
SSHS-B835	PCB		PCB	PCB			
SSHS-B836	PCB	HW, NC	PCB	PCB			
SSHS-B837	HW	HW	PCB				
SSHS-B838	PCB	HW	PCB	PCB		PCB	PCB
SSHS-B839	HW	NC		PCB	PCB	PCB	EH
SSHS-B840	HW	HW	HW	PCB	PCB	PCB	PCB
SSHS-B841	PCB	HW	HW	NC	PCB	PCB	REFUSAL
SSHS-B842		HW	HW	PCB	PCB	PCB	REFUSAL
SSHS-B843		HW	HW	PCB	PCB	PCB	REFUSAL
SSHS-B844		HW, NC	HW	PCB			
SSHS-B845			PCB, NC	PCB		PCB	
SSHS-B846		PCB	PCB	PCB, NC			
SSHS-B847	HW	EH	HW, NC	PCB	REFUSAL		
SSHS-B848		PCB	EH	PCB	REFUSAL		
SSHS-B849	NC	WC	WC	PCB	PCB	EH	
SSHS-B850	HW	HW	HW	PCB	EH	PCB	EH
SSHS-B851	HW	EH	PCB, NC	PCB		PCB	EH
SSHS-B852	HW	NC	PCB	PCB	PCB	PCB	EH
SSHS-B853	PCB	PCB	EH	EH			
SSHS-B854	PCB	PCB	EH	EH			
SSHS-B855	PCB	HW	EH	PCB	EH	PCB	EH
SSHS-B856	HW	WC		PCB	HW	PCB	PCB
SSHS-B857	PCB	HW	HW				
SSHS-B858	EH	EH	EH	EH			
SSHS-B859	PCB	PCB	EH	EH			
SSHS-B860	PCB	PCB	EH	EH			
SSHS-B861	PCB	EH	EH	EH			
SSHS-B862	EH	EH	EH	EH			
SSHS-B863	EH	EH	EH	EH			
SSHS-B864	PCB	PCB	PCB	EH			
SSHS-B865	NC	PCB					
SSHS-B866	NC	PCB	EH				
SSHS-B867		PCB	EH				
SSHS-B868		PCB	EH				
SSHS-B869		PCB	EH	EH			
SSHS-B870		PCB	EH				
SSHS-B871		PCB	EH				
SSHS-B872		PCB	EH				
SSHS-B873	NC	PCB	PCB	EH			

TABLE 1
PDI Soil Investigation Summary: Rear Parking Lot
Former Sperry Remington Site - North Portion
Elmira, New York

Sample Locations	Depth Interval						
	Shallow 0 to 2 ft bgs	**Sub 1 2 to 4 ft bgs**	**Sub 2 4 to 6 ft bgs**	**Sub 3 6 to 8 ft bgs**	**Sub 4 8 to 10 ft bgs**	**Sub 5 10 to 12 ft bgs**	**Sub 6 12 to 14 ft bgs**
SSHS-B874	NC	HW	PCB	EH			
SSHS-B875		HW, NC	PCB	EH			
SSHS-B876	NC	NC	PCB	EH			
SSHS-B877	PCB, NC	HW	PCB	PCB	NC	EH	EH
SSHS-B878				PCB	PCB	EH	
SSHS-B879		PCB		PCB	NC	PCB	EH
SSHS-B880	HW	HW		PCB		PCB	EH
SSHS-B881	HW	HW	NC	PCB	EH		
SSHS-B882		PCB		PCB	NC	PCB	EH
SSHS-B883		NC		PCB	PCB	EH	
SSHS-B884		PCB, NC		PCB			
SSHS-B885	NC	HW		HW, NC	NC	PCB	EH
SSHS-B886	HW	HW	HW	PCB, NC	NC	EH	PCB
SSHS-B887	WC		WC	PCB	HW, NC	PCB	EH
SSHS-B888	HW	WC	NC		PCB	PCB	EH
SSHS-B889	HW	HW		PCB	PCB	PCB	EH
SSHS-B890		WC	WC		PCB, NC	PCB	EH
SSHS-B891	HW	HW	PCB	PCB		PCB	EH
SSHS-B892	HW	EH	HW	PCB	PCB	PCB, NC	PCB
SSHS-B893	HW	HW	PCB	PCB		EH	PCB
SSHS-B894		PCB	PCB	EH			
SSHS-B895		PCB	EH	EH			
SSHS-B896		PCB	EH				
SSHS-B897		HW	HW	PCB	EH		
SSHS-B898		PCB	HW	PCB			
SSHS-B899	PCB	EH	EH	EH			
SSHS-B900	PCB	EH	EH	EH			
SSHS-B901	PCB	EH	EH	EH			
SSHS-B902	PCB	EH	EH	EH			
SSHS-B903	PCB	EH	EH	EH			
SSHS-B904	PCB	HW	PCB	PCB	EH		
SSHS-B905	PCB, NC		HW, NC	PCB	PCB	EH	
SSHS-B906		PCB	PCB	NC		REFUSAL	
SSHS-B907		PCB		PCB			
SSHS-B908	PCB	PCB	PCB				
SSHS-B909		PCB					
SSHS-B910		PCB	EH				
SSHS-B911		PCB		PCB	EH		
SSHS-B912		PCB				REFUSAL	
SSHS-B913		PCB, NC	NC	PCB	EH		
SSHS-B914		PCB	EH				
SSHS-B915		PCB					
SSHS-B916	WC	PCB					
SSHS-B917	WC	HW		PCB			PCB
SSHS-B918				PCB	NC		
SSHS-B919				PCB		PCB	
SSHS-B920	PCB	HW, NC	HW	HW	HW	PCB	
SSHS-B921		PCB	EH				
SSHS-B922		PCB	EH				

TABLE 1
PDI Soil Investigation Summary: Rear Parking Lot
Former Sperry Remington Site - North Portion
Elmira, New York

Sample Locations	Depth Interval						
	Shallow 0 to 2 ft bgs	**Sub 1 2 to 4 ft bgs**	**Sub 2 4 to 6 ft bgs**	**Sub 3 6 to 8 ft bgs**	**Sub 4 8 to 10 ft bgs**	**Sub 5 10 to 12 ft bgs**	**Sub 6 12 to 14 ft bgs**
SSHS-B923		HW	PCB, NC				
SSHS-B924		PCB	EH				
SSHS-B925		PCB	EH				
SSHS-B926		PCB					
SSHS-B927		PCB	EH				
SSHS-B928	NC	PCB	EH				
SSHS-B929		PCB	EH				
SSHS-B930	NC	PCB		PCB	EH		
SSHS-B931	HW		HW				
SSHS-B932	HW	HW	HW				
SSHS-B933	HW	HW					
SSHS-B934	HW						
SSHS-B935	HW						
SSHS-B936		HW					
SSHS-B938		HW	PCB				
SSHS-B939		HW		PCB			
SSHS-B940		HW					
SSHS-B941		HW	HW				
SSHS-B942		HW			PCB		
SSHS-B943		HW					
SSHS-B944			HW				
SSHS-B945	HW	HW	HW	PCB			
SSHS-B946	HW	HW	HW	PCB			
SSHS-B937			HW				
SSHS-B947				PCB			
SSHS-B948						PCB	

Notes:
ft bgs - feet below ground surface
PCB - Polychlorinated biphenyl
HW - hazardous material refinement sample
WC - PCB remediation waste characterization sample
NC - Non-hazardous waste characterization sample
EH - extract and hold (or hold) sample
REFUSAL - Hit refusal during drilling, no additional samples collected at this interval or deeper

PCB remediation waste characterization samples include: pH, cyanide, sulfide, flash point, total VOCs, SVOCs, herbicides and pesticides, and toxicity characteristic leaching procedure (TCLP) metals. Samples for TCLP VOCs, SVOCs, herbicides and pesticides analyses will collected and held pending results of total constituent analyses.

Non-hazardous waste characterization samples include: pH, cyanide, sulfide, flash point, TCLP metals, TCLP VOCs, TCLP SVOCs, and TCLP herbicide/pesticides.

TABLE 2
PCB Results for Shallow Sub-Surface Soil
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Arochlor 1268	Arochlor 1262	Total PCBs
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.0055	0.011	0.0099	0.01	0.013	0.011	0.0048	0.0081	0.012	
Surface Soil Criteria												1
NYS Hazardous Material												50
Location	**Sample Depth Range (ft bgs)**	**Sample Date**										
SSHS-B828	0-2	1/14/2018	<0.006U	<0.012U	<0.011U	<0.011U	2.8	0.89	0.24	<0.0089U	<0.013U	3.961
SSHS-B829	0-2	1/10/2018	<0.0055U	<0.011U	<0.01U	<0.01U	<0.013U	<0.012U	<0.0048U	<0.0082U	<0.012U	<0.0865
SSHS-B830	0-2	1/11/2018	<0.29U	<0.59U	<0.54U	<0.54U	36	9.9	2.2	<0.44U	<0.63U	49.62
SSHS-B831	0-2	1/10/2018	<0.0057U	<0.011U	<0.01U	<0.01U	0.37	0.12	0.027	<0.0085U	<0.012U	0.5456
SSHS-B832	0-2	1/10/2018	<0.0059U	<0.012U	<0.011U	<0.011U	<0.014U	<0.012U	<0.0051U	<0.0088U	<0.013U	<0.0928
SSHS-B833	0-2	1/8/2018	<0.0057U	<0.011U	<0.01U	<0.01U	0.73	0.34	0.066	<0.0085U	<0.012U	1.165
SSHS-B834	0-2	1/12/2018	<0.29U	<0.58U	<0.53U	<0.54U	55	21	3.6	<0.43U	<0.63U	81.1
SSHS-B835	0-2	1/9/2018	<0.0057U	<0.011U	<0.01U	<0.01U	5.1	1.7	0.36	<0.0085U	<0.012U	7.189
SSHS-B836	0-2	1/12/2018	<0.29U	<0.58U	<0.53U	<0.53U	130	61	13	<0.43U	<0.63U	205.5
SSHS-B837	0-2	1/20/2018	<0.24U	<0.47U	<0.43U	<0.44U	12	4.9	0.6J	<0.35U	<0.51U	18.72
SSHS-B838	0-2	1/9/2018	<0.0056U	<0.011U	<0.01U	<0.01U	0.064	0.027	<0.0049U	<0.0084U	<0.012U	0.122
SSHS-B839	0-2	1/18/2018	<0.029U,F1	<0.059U	<0.054U	<0.054U	13	3.7	0.81	<0.044U	<0.063U	17.66
SSHS-B840	0-2	1/20/2018	<0.057U	<0.11U	<0.1U	<0.1U	29	9.2	1.2	<0.084U	<0.12U	39.69
SSHS-B841	0-2	1/20/2018	<0.059U	<0.12U	<0.11U	<0.11U	21	7.1	0.93	<0.089U	<0.13U	29.34
SSHS-B847	0-2	1/20/2018	<0.12U	<0.24U	<0.22U	<0.22U	16	6.4	0.85	<0.18U	<0.26U	23.87
SSHS-B850	0-2	1/18/2018	<0.0057U	<0.011U	<0.01U	<0.01U	0.25	0.099	0.017	<0.0085U	<0.012U	0.3946
SSHS-B851	0-2	1/18/2018	<0.061U	<0.12U	<0.11U	<0.11U	8.9	3.1	0.34	<0.091U	<0.13U	12.65
SSHS-B852	0-2	1/19/2018	<0.058U	<0.12U	<0.11U	<0.11U	3.9	1.5	0.19	<0.087U	<0.13U	5.898
SSHS-B853	0-2	1/8/2018	<0.0057U	<0.011U	<0.01U	<0.011U	1.4	0.5	0.11	<0.0085U	<0.012U	2.039
SSHS-B854	0-2	1/9/2018	<0.0055U	<0.011U	<0.0099U	<0.01U	<0.013U	<0.011U	<0.0048U	<0.0081U	<0.012U	<0.0853
SSHS-B855	0-2	1/10/2018	<0.057U	<0.11U	<0.1U	<0.11U	10	3.6	0.74	<0.085U	<0.12U	14.63
SSHS-B856	0-2	1/17/2018	<0.0058U	<0.012U	<0.011U	<0.011U	0.057	0.019	<0.0051U	<0.0087U	<0.013U	0.1093
SSHS-B857	0-2	1/20/2018	<0.0058U	<0.011U	<0.01U	<0.011U	0.11	0.045	0.0089J	<0.0086U	<0.012U	0.1931
SSHS-B858	0-2	1/14/2018	<0.006U	<0.012U	<0.011U	<0.011U	<0.015U	<0.013U	<0.0052U	<0.0089U	<0.013U	<0.0951
SSHS-B859	0-2	1/14/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.15	0.05	0.011J	<0.009U	<0.013U	0.242
SSHS-B860	0-2	1/14/2018	<0.0058U	<0.012U	<0.011U	<0.011U	<0.014U	<0.012U	<0.0051U	<0.0087U	<0.013U	<0.0926
SSHS-B861	0-2	1/11/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.023p	<0.013U	<0.0052U	<0.0089U	<0.013U	0.06305
SSHS-B864	0-2	1/9/2018	<0.0058U	<0.012U	<0.011U	<0.011U	<0.014U	<0.012U	<0.0051U	<0.0086U	<0.012U	<0.0915
SSHS-B877	0-2	1/18/2018	<0.0057U	<0.011U	<0.01U	<0.01U	1.4	0.49	0.081	<0.0085U	<0.012U	2
SSHS-B880	0-2	1/22/2018	<0.069U	<0.14U	<0.13U	<0.13U	24	9.5	2.3	<0.1U	<0.15U	36.16
SSHS-B881	0-2	1/22/2018	<0.074U	<0.15U	<0.13U	<0.14U	26	9.6	2.4	<0.11U	<0.16U	38.38
SSHS-B886	0-2	1/19/2018	<0.12U	<0.24U	<0.22U	<0.22U	76	24	2.8	<0.18U	<0.26U	103.4
SSHS-B888	0-2	1/22/2018	<0.061U	<0.12U	<0.11U	<0.11U	10	3.9	0.62	<0.091U	<0.13U	14.83
SSHS-B889	0-2	1/12/2018	<0.12U	<0.24U	<0.22U	<0.22U	49	22	4.3	<0.18U	<0.26U	75.92
SSHS-B891	0-2	1/19/2018	<0.059U,F1,F2	<0.12U	<0.11U	<0.11U	40	13	1.5	<0.088U	<0.13U	54.81
SSHS-B892	0-2	1/17/2018	<0.06U,F2,F1	<0.12U	<0.11U	<0.11U	15	6	1.1F2,F1	<0.089U	<0.13U	22.41
SSHS-B893	0-2	1/19/2018	<0.06U	<0.12U	<0.11U	<0.11U	23	7.6	0.9	<0.09U	<0.13U	31.81
SSHS-B899	0-2	1/8/2018	<0.0066U	<0.013U	<0.012U	<0.012U	3.4	1.5	0.28	<0.0098U	<0.014U	5.214
SSHS-B900	0-2	1/14/2018	<0.033U,F1,F2	<0.066U	<0.06U	<0.061U	6	2.7	0.47	<0.049U	<0.071U	9.34
SSHS-B901	0-2	1/11/2018	<0.0068U	<0.013U	<0.012U	<0.012U	0.72	0.4	0.14	<0.01U	<0.015U	1.294
SSHS-B902	0-2	1/10/2018	<0.0067U	<0.013U	<0.012U	<0.012U	0.17	0.12	0.063	<0.01U	<0.015U	0.3874
SSHS-B903	0-2	1/12/2018	<0.0067U	<0.013U	<0.012U	<0.012U	0.22	0.11	0.042	<0.01U	<0.015U	0.4064
SSHS-B904	0-2	1/9/2018	<0.057U,F1	<0.11U	<0.1U	<0.11U	21	6.6	1.4F1	<0.086U	<0.12U	29.29
SSHS-B905	0-2	1/17/2018	<0.029U	<0.059U	<0.054U	<0.054U	8J	2.4J	0.49J	<0.044U	<0.064U	11.04
SSHS-B908	0-2	1/22/2018	<0.07U	<0.14U	<0.13U	<0.13U	3.6	2	0.37	<0.1U	<0.15U	6.33
SSHS-B920	0-2	1/16/2018	<0.0055U	<0.011U	<0.01U	<0.01U	0.23	0.069p	0.017	<0.0083U	<0.012U	0.3444
SSHS-B931	0-2	1/10/2018	<0.029U	<0.058U	<0.053U	<0.054U	9.4	3	0.64	<0.043U	<0.063U	13.19
SSHS-B932	0-2	1/10/2018	<0.0056U	<0.011U	<0.01U	<0.01U	0.091	<0.012U	<0.0049U	<0.0084U	<0.012U	0.128
SSHS-B933	0-2	1/19/2018	<0.029U	<0.059U	<0.054U	<0.054U	12	3.6	0.74	<0.044U	<0.064U	16.49
SSHS-B934	0-2	1/10/2018	<0.065U	<0.13U	<0.12U	<0.12U	14	7.6	2.1	<0.098U	<0.14U	24.04
SSHS-B935	0-2	1/10/2018	<0.064U	<0.13U	<0.12U	<0.12U	8.1	3.9	0.89	<0.096U	<0.14U	13.23
SSHS-B945	0-2	1/22/2018	<0.75U	<1.5U	<1.4U	<1.4U	130	37	8.3	<1.1U	<1.6U	179.2
SSHS-B946	0-2	1/22/2018	<0.0068U	<0.014U	<0.012U	<0.013U	4.8	1.6	0.41	<0.01U	<0.015U	6.845

Notes:
J - estimated value
U - non-detect
- - not analyzed
mg/kg - milligram per kilogram
ft bgs - feet below ground surface
PCBs - polychlorinated biphenyls
Concentrations detected above the soil criteria for PCBs (0-2 ft bgs) of 1 mg/kg (NYSDEC CP-51) are presented in grey.
PCB concentrations detected above New York State hazardous waste threshold (6 NYCRR Part 371.4 (e)) are presented in dark grey

TABLE 3
PCB Results for Sub-Surface Soil
Rear Parking Lot

			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Arochlor 1268	Arochlor 1262	Total PCBs
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.0057	0.011	0.01	0.01	0.014	0.012	0.0051	0.0085	0.012	
Subsurface Soil Criteria												10
NYS Hazardous Material												50
Location	**Sample Depth Range (ft bgs)**	**Sample Date**										
SSHS-B828	2-4	1/14/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.68	0.23	0.073	<0.0092U	<0.013U	1.014
SSHS-B829	2-4	1/10/2018	<0.0059U	<0.012U	<0.011U	<0.011U	1.2	0.47	0.11	<0.0088U	<0.013U	1.811
SSHS-B829	4-6	1/10/2018	<0.0058U	<0.012U	<0.011U	<0.011U	0.068	0.035	<0.0051U	<0.0087U	<0.013U	0.1363
SSHS-B830	2-4	1/11/2018	<0.59U	<1.2U	<1.1U	<1.1U	130	34	8	<0.88U	<1.3U	175.1
SSHS-B830	4-6	1/23/2018	<0.064U	<0.13U	<0.12U	<0.12U	26	6.3	0.86	<0.096U	<0.14U	33.5
SSHS-B830	6-8	1/23/2018	<0.061U	<0.12U	<0.11U	<0.11U	20	6.8	1.3	<0.091U	<0.13U	28.41
SSHS-B831	2-4	1/10/2018	<0.061U	<0.12U	<0.11U	<0.11U	8.7	3.4	0.78	<0.091U	<0.13U	13.19
SSHS-B831	4-6	1/10/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.69	0.68	0.26	<0.0092U	<0.013U	1.661
SSHS-B832	2-4	1/10/2018	<0.3U	<0.59U	<0.54U	<0.55U	84	23	5.4	<0.44U	<0.64U	113.9
SSHS-B832	4-6	1/10/2018	<0.0063U	<0.012U	<0.011U	<0.012U	0.59	0.34	0.095	<0.0094U	<0.014U	1.057
SSHS-B832	6-8	1/10/2018	<0.0061U	<0.012U	<0.011U	<0.011U	1.1	0.59	0.14	<0.0091U	<0.013U	1.861
SSHS-B834	2-4	1/12/2018	<0.06U	<0.12U	<0.11U	<0.11U	19	7.3	1.4	<0.09U	<0.13U	28.01
SSHS-B834	4-6	1/12/2018	<0.0058U	<0.012U	<0.011U	<0.011U	2.2	0.75	0.17	<0.0087U	<0.013U	3.151
SSHS-B834	6-8	1/12/2018	<0.0057U	<0.011U	<0.01U	<0.011U	2.8	0.94	0.18	<0.0086U	<0.012U	3.949
SSHS-B835	4-6	1/9/2018	<0.0059U	<0.012U	<0.011U	<0.011U	3	1	0.22	<0.0088U	<0.013U	4.251
SSHS-B835	6-8	1/9/2018	<0.0061U	<0.012U	<0.011U	<0.011U	4.1	1.7	0.26	<0.0091U	<0.013U	6.091
SSHS-B836	2-4	1/12/2018	<0.059U	<0.12U	<0.11U	<0.11U	12	4.9	1	<0.088U	<0.13U	18.21
SSHS-B836	4-6	1/12/2018	<0.03U	<0.06U	<0.055U	<0.056U	8.3	3.7	0.84	<0.045U	<0.065U	13
SSHS-B836	6-8	1/12/2018	<0.063U	<0.12U	<0.11U	<0.12U	10	4.5	0.5p	<0.094U	<0.14U	15.32
SSHS-B837	2-4	1/20/2018	<0.059U	<0.12U	<0.11U	<0.11U	22	9.9	0.99	<0.088U	<0.13U	33.2
SSHS-B837	4-6	1/20/2018	<0.062U	<0.12U	<0.11U	<0.11U	1.6	0.96	0.11J	<0.092U	<0.13U	2.982
SSHS-B838	10-12	1/9/2018	<0.0061U	<0.012U	<0.011U	<0.011U	4.6	1.3	0.26	<0.0091U	<0.013U	6.191
SSHS-B838	12-14	1/9/2018	<0.0069U	<0.014U	<0.013U	<0.013U	0.38	0.14	0.026	<0.01U	<0.015U	0.582
SSHS-B838	2-4	1/9/2018	<0.062U	<0.12U	<0.11U	<0.11U	28	9.8	2.2	<0.092U	<0.13U	40.31
SSHS-B838	4-6	1/9/2018	<0.29U	<0.59U	<0.54U	<0.54U	64	20	3.8	<0.44U	<0.63U	89.32
SSHS-B838	6-8	1/9/2018	<0.0059U	<0.012U	<0.011U	<0.011U	3.7	1.4	0.37	<0.0088U	<0.013U	5.501
SSHS-B839	10-12	1/18/2018	<0.12U	<0.24U	<0.22U	<0.22U	41	9.2	1.8	<0.18U	<0.26U	52.62
SSHS-B839	12-14	1/18/2018	<0.0063U	<0.013U	<0.011U	<0.012U	2.2	0.58	0.14	<0.0094U	<0.014U	2.953
SSHS-B839	6-8	1/18/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.39	0.12	0.025	<0.0091U	<0.013U	0.5661
SSHS-B839	8-10	1/18/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.063	0.02	<0.0055U	<0.0093U	<0.013U	0.117
SSHS-B840	10-12	1/20/2018	<0.0063U	<0.013U	<0.011U	<0.012U	3	0.99	0.14	<0.0094U	<0.014U	4.163
SSHS-B840	2-4	1/20/2018	<0.31U	<0.62U	<0.57U	<0.57U	270	88	10	<0.46U	<0.67U	369.6
SSHS-B840	4-6	1/20/2018	<0.061U	<0.12U	<0.11U	<0.11U	18	6.1	0.9	<0.09U	<0.13U	25.31
SSHS-B840	6-8	1/20/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.93	0.32	0.046	<0.0096U	<0.014U	1.33
SSHS-B840	8-10	1/20/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.38	0.13	0.011J,p	<0.0091U	<0.013U	0.5521
SSHS-B841	10-12	1/20/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.048	0.021	<0.0054U	<0.0092U	<0.013U	0.1029
SSHS-B841	2-4	1/20/2018	<0.061U	<0.12U	<0.11U	<0.11U	51	19	2.2	<0.091U	<0.13U	72.51
SSHS-B841	4-6	1/20/2018	<0.12U	<0.25U	<0.22U	<0.23U	47	19	2.8	<0.18U	<0.27U	69.44
SSHS-B841	6-8	1/20/2018	<0.0068UJ	<0.013UJ	<0.012UJ	<0.012UJ	0.13J	0.047J	<0.0059UJ	<0.01UJ	<0.015UJ	0.2144
SSHS-B841	8-10	1/20/2018	<0.006U	<0.012U	<0.011U	<0.011U	1.5	0.57	0.077	<0.009U	<0.013U	2.178
SSHS-B842	10-12	1/22/2018	<0.031U	<0.061U	<0.056U	<0.057U	6.8	2.1	0.47	<0.046U	<0.066U	9.529
SSHS-B842	2-4	1/22/2018	<0.13U,F2,F1	<0.25U	<0.23U	<0.23U	48	16	2F2,F1	<0.19U	<0.27U	66.65
SSHS-B842	4-6	1/22/2018	<0.062U	<0.12U	<0.11U	<0.11U	5.4	2.1	0.29	<0.092U	<0.13U	8.102
SSHS-B842	6-8	1/22/2018	<0.061U	<0.12U	<0.11U	<0.11U	24	7.5	1.7	<0.091U	<0.13U	33.51
SSHS-B842	8-10	1/22/2018	<0.0062U	<0.012U	<0.011U	<0.012U	4.3	1.3	0.31	<0.0093U	<0.013U	5.942
SSHS-B843	10-12	1/19/2018	<0.063U	<0.13U	<0.12U	<0.12U	5.8	1.9	0.25	<0.094U	<0.14U	8.284
SSHS-B843	2-4	1/19/2018	<0.06U	<0.12U	<0.11U	<0.11U	19	5.6	0.72	<0.09U	<0.13U	25.63
SSHS-B843	4-6	1/19/2018	<0.62U	<1.2U	<1.1U	<1.1U	150	49	6	<0.93U	<1.3U	208.1
SSHS-B843	6-8	1/19/2018	<0.063U	<0.12U	<0.11U	<0.12U	20	6.1	0.8	<0.093U	<0.13U	27.22
SSHS-B843	8-10	1/19/2018	<0.059U	<0.12U	<0.11U	<0.11U	8.3	2.7	0.37	<0.088U	<0.13U	11.68
SSHS-B844	2-4	1/19/2018	<0.061U	<0.12U	<0.11U	<0.11U	22	6.2	0.74	<0.091U	<0.13U	29.25
SSHS-B844	4-6	1/19/2018	<0.059U	<0.12U	<0.11U	<0.11U	11	3.1	0.33	<0.089U	<0.13U	14.74
SSHS-B844	6-8	1/19/2018	<0.06U	<0.12U	<0.11U	<0.11U	13	4.2	0.53	<0.09U	<0.13U	18.04
SSHS-B845	10-12	1/18/2018	<0.0065U	<0.013U	<0.012U	<0.012U	<0.016U	<0.014U	<0.0057U	<0.0097U	<0.014U	<0.1029
SSHS-B845	4-6	1/24/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.39J	0.18J	0.041J	<0.0091U	<0.013U	0.6421
SSHS-B845	6-8	1/24/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.21	0.079	0.017J	<0.009U	<0.013U	0.337
SSHS-B846	2-4	1/11/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.11	0.043	0.0081J	<0.0096U	<0.014U	0.1946
SSHS-B846	4-6	1/23/2018	<0.0069U	<0.014U	<0.013U	<0.013U	0.86	0.41	0.1	<0.01U	<0.015U	1.406
SSHS-B846	6-8	1/11/2018	<0.0069U	<0.014U	<0.013U	<0.013U	<0.017U	<0.015U	<0.006U	<0.01U	<0.015U	<0.1099
SSHS-B847	2-4	1/20/2018	<0.058U	<0.12U	<0.11U	<0.11U	52	18	1.5	<0.087U	<0.13U	71.81
SSHS-B847	4-6	1/20/2018	<0.3U	<0.6U	<0.55U	<0.55U	68J	26J	1.5J	<0.45U	<0.65U	97.05
SSHS-B847	6-8	1/20/2018	<0.058U	<0.12U	<0.11U	<0.11U	19	5.9	0.66	<0.086U	<0.12U	25.86
SSHS-B848	2-4	1/20/2018	<0.3U	<0.61U	<0.55U	<0.56U	7.6	2.9	0.63J	<0.45U	<0.66U	12.7
SSHS-B848	6-8	1/20/2018	<0.063U	<0.13U	<0.11U	<0.12U	1.9	0.97	0.13J	<0.094U	<0.14U	3.329
SSHS-B848	8-10	1/20/2018	<0.061U	<0.12U	<0.11U	<0.11U	1	0.56	0.087J	<0.09U	<0.13U	1.958
SSHS-B849	6-8	1/22/2018	<0.065U	<0.13U	<0.12U	<0.12U	5.2	1.6	0.22	<0.097U	<0.14U	7.356
SSHS-B850	10-12	1/23/2018	<0.0064U	<0.013U	<0.012U	<0.012U	5.5	2	0.41	<0.0095U	<0.014U	7.943
SSHS-B850	2-4	1/18/2018	<0.3U	<0.59U	<0.54U	<0.54U	190	48	4.9	<0.44U	<0.64U	244.4
SSHS-B850	4-6	1/18/2018	<0.061U	<0.12U	<0.11U	<0.11U	34	11	1.2	<0.091U	<0.13U	46.51
SSHS-B850	6-8	1/18/2018	<0.064U	<0.13U	<0.12U	<0.12U	37	11	1.3	<0.096U	<0.14U	49.64
SSHS-B850	8-10	1/23/2018	<0.0065U	<0.013U	<0.012U	<0.012U	0.22	0.072	0.017J	<0.0097U	<0.014U	0.3426
SSHS-B851	10-12	1/18/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.44	0.16	0.038	<0.0093U	<0.013U	0.6693
SSHS-B851	2-4	1/18/2018	<0.03U	<0.06U	<0.055U	<0.055U	11	3.6	0.82	<0.045U	<0.065U	15.58
SSHS-B851	4-6	1/18/2018	<0.061U	<0.12U	<0.11U	<0.11U	2.3	0.88	0.16J	<0.091U	<0.13U	3.651
SSHS-B851	6-8	1/18/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.63	0.3	0.039	<0.009U	<0.013U	1
SSHS-B852	10-12	1/19/2018	<0.0062U	<0.012U	<0.011U	<0.011U	1.5	0.52	0.055	<0.0093U	<0.013U	2.106
SSHS-B852	4-6	1/19/2018	<0.063U	<0.12U	<0.11U	<0.12U	3.9	1.5	0.22	<0.093U	<0.14U	5.943
SSHS-B852	6-8	1/19/2018	<0.058U	<0.12U	<0.11U	<0.11U	4.1	1.6	0.27	<0.087U	<0.13U	6.278
SSHS-B852	8-10	1/19/2018	<0.0063U	<0.013U	<0.011U	<0.012U	1.1	0.39	0.041	<0.0094U	<0.014U	1.564
SSHS-B853	2-4	1/8/2018	<0.0059U	<0.012U	<0.011U	<0.011U	0.074	0.025	<0.0051U	<0.0088U	<0.013U	0.1324
SSHS-B853	4-6	1/8/2018	<0.0063U	<0.013U	<0.012U	<0.012U	0.026	<0.013U	<0.0056U	<0.0095U	<0.014U	0.0687
SSHS-B854	2-4	1/9/2018	<0.006U	<0.012U	<0.011U	<0.011U	5.4	2.2	0.52	<0.009U	<0.013U	8.151

TABLE 3
PCB Results for Sub-Surface Soil
Rear Parking Lot

			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Arochlor 1268	Arochlor 1262	Total PCBs
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.0057	0.011	0.01	0.01	0.014	0.012	0.0051	0.0085	0.012	
Subsurface Soil Criteria												10
NYS Hazardous Material												50
Location	**Sample Depth Range (ft bgs)**	**Sample Date**										
SSHS-B854	4-6	1/9/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.44	0.25	0.051	<0.009U	<0.013U	0.772
SSHS-B855	10-12	1/10/2018	<0.0067U	<0.013U	<0.012U	<0.012U	1.1	0.3	0.095	<0.01U	<0.015U	1.529
SSHS-B855	12-14	1/10/2018	<0.0066U	<0.013U	<0.012U	<0.012U	0.13	0.049	0.0075J	<0.0098U	<0.014U	0.2202
SSHS-B855	2-4	1/10/2018	<0.31U	<0.62U	<0.57U	<0.57U	47	12	2.9	<0.47U	<0.67U	63.51
SSHS-B855	6-8	1/10/2018	<0.032U	<0.064U	<0.059U	<0.06U	8.1	2.4	0.81	<0.048U	<0.07U	11.48
SSHS-B855	8-10	1/10/2018	<0.0065U	<0.013U	<0.012U	<0.012U	1.5	0.62	0.16	<0.0098U	<0.014U	2.314
SSHS-B856	10-12	1/17/2018	<0.061U	<0.12U	<0.11U	<0.11U	12	3.8	0.37	<0.091U	<0.13U	16.48
SSHS-B856	12-14	1/17/2018	<0.0063U	<0.013U	<0.012U	<0.012U	4.8	1.9	0.29	<0.0094U	<0.014U	7.023
SSHS-B856	6-8	1/17/2018	<0.061U	<0.12U	<0.11U	<0.11U	11	3.9	0.5	<0.091U	<0.13U	15.71
SSHS-B856	8-10	1/17/2018	<0.0069U	<0.014U	<0.013U	<0.013U	1.8	0.52	0.1	<0.01U	<0.015U	2.456
SSHS-B857	2-4	1/20/2018	<0.6U	<1.2U	<1.1U	<1.1U	100	39	4.5	<0.89U	<1.3U	146.6
SSHS-B857	4-6	1/20/2018	<0.062U,F1	<0.12U	<0.11U	<0.11U	1.6	0.75	0.12J	<0.092U	<0.13U	2.782
SSHS-B858	2-4	1/14/2018	<0.12U	<0.24U	<0.22U	<0.22U	33	11	2.2	<0.18U	<0.25U	46.82
SSHS-B858	4-6	1/14/2018	<0.61U	<1.2U	<1.1U	<1.1U	140	46	9.4	<0.9U	<1.3U	198.5
SSHS-B858	6-8	1/14/2018	<0.062U	<0.12U	<0.11U	<0.11U	8.9	3.2	0.56	<0.093U	<0.13U	12.97
SSHS-B859	2-4	1/14/2018	<0.29U	<0.58U	<0.53U	<0.54U	62	30	4.3	<0.44U	<0.63U	97.81
SSHS-B859	4-6	1/14/2018	<0.059U	<0.12U	<0.11U	<0.11U	16	6.7	1.1	<0.088U	<0.13U	24.11
SSHS-B859	6-8	1/14/2018	<0.058U	<0.12U	<0.11U	<0.11U	20	7.6	1.1	<0.087U	<0.13U	29.01
SSHS-B860	2-4	1/14/2018	<0.058U	<0.12U	<0.11U	<0.11U	22	7.9	0.79p	<0.087U	<0.13U	31
SSHS-B860	4-6	1/14/2018	<0.029U	<0.058U	<0.053U	<0.053U	4.7	2.1	0.35	<0.043U	<0.062U	7.299
SSHS-B860	6-8	1/14/2018	<0.0057U	<0.011U	<0.01U	<0.01U	2.6	0.95	0.28	<0.0085U	<0.012U	3.859
SSHS-B861	2-4	1/11/2018	<0.0059U	<0.012U	<0.011U	<0.011U	1.2	0.64	0.15	<0.0089U	<0.013U	2.021
SSHS-B861	4-6	1/11/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.52	0.33	0.084	<0.0089U	<0.013U	0.965
SSHS-B862	2-4	1/9/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.34	0.27	0.094	<0.0091U	<0.013U	0.7351
SSHS-B862	4-6	1/9/2018	<0.0059U	<0.012U	<0.011U	<0.011U	0.043	0.037	0.0082J,p	<0.0088U	<0.013U	0.1191
SSHS-B863	2-4	1/14/2018	<0.0059U	<0.012U	<0.011U	<0.011U	3.7	0.81	0.22	<0.0088U	<0.013U	4.761
SSHS-B863	4-6	1/14/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.48	0.36	0.18	<0.0092U	<0.013U	1.051
SSHS-B863	6-8	1/14/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.5	0.25	0.1	<0.009U	<0.013U	0.881
SSHS-B864	2-4	1/9/2018	<0.061U	<0.12U	<0.11U	<0.11U	10	3.3	0.69	<0.091U	<0.13U	14.3
SSHS-B864	4-6	1/9/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.69	0.44	0.15	<0.0089U	<0.013U	1.311
SSHS-B864	6-8	1/9/2018	<0.0063U	<0.012U	<0.011U	<0.012U	0.16	0.14	0.051	<0.0093U	<0.014U	0.3833
SSHS-B865	2-4	1/17/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.66	0.27	0.031	<0.0091U	<0.013U	0.9921
SSHS-B866	2-4	1/12/2018	<0.0068U	<0.013U	<0.012U	<0.012U	0.056	0.051	0.021	<0.01U	<0.015U	0.1624
SSHS-B867	2-4	1/11/2018	<0.0063U	<0.013U	<0.011U	<0.012U	0.11	0.042	0.011J	<0.0094U	<0.014U	0.1959
SSHS-B868	2-4	1/17/2018	<0.0064U,F1	<0.013U	<0.012U	<0.012U	1.8	0.78	0.2F1,F2	<0.0095U	<0.014U	2.813
SSHS-B869	2-4	1/8/2018	<0.0058U	<0.012U	<0.011U	<0.011U	0.23	0.097	0.018	<0.0087U	<0.013U	0.3758
SSHS-B870	2-4	1/8/2018	<0.0059U	<0.012U	<0.011U	<0.011U	3	1.1	0.22	<0.0088U	<0.013U	4.351
SSHS-B870	4-6	1/8/2018	<0.006U	<0.012U	<0.011U	<0.011U	1.1	0.36	0.07	<0.0089U	<0.013U	1.561
SSHS-B871	2-4	1/17/2018	<0.0062U	<0.012U	<0.011U	<0.012U	0.059	0.035	<0.0055U	<0.0093U	<0.013U	0.1285
SSHS-B872	2-4	1/11/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.026p	0.015J	<0.0056U	<0.0095U	<0.014U	0.07725
SSHS-B873	2-4	1/11/2018	<0.0059U	<0.012U	<0.011U	<0.011U	0.97	0.54	0.19	<0.0089U	<0.013U	1.731
SSHS-B873	4-6	1/11/2018	<0.0061U	<0.012U	<0.011U	<0.011U	2.8	1.2	0.23	<0.0091U	<0.013U	4.261
SSHS-B874	2-4	1/20/2018	<0.24U	<0.48U	<0.44U	<0.44U	120	45	5	<0.36U	<0.52U	171.2
SSHS-B874	4-6	1/20/2018	<0.3U	<0.6U	<0.55U	<0.56U	66	29	3.2	<0.45U	<0.65U	99.76
SSHS-B875	2-4	1/20/2018	<0.3U	<0.59U	<0.54U	<0.55U	57	24	2.2	<0.44U	<0.64U	84.73
SSHS-B875	4-6	1/23/2018	<0.0062U,F1	<0.012U	<0.011U	<0.012U	0.96	0.58	0.19	<0.0093U	<0.013U	1.762
SSHS-B876	4-6	1/22/2018	<0.007U	<0.014U	<0.013U	<0.013U	<0.017U	<0.015U	<0.0061U	<0.01U	<0.015U	<0.1101
SSHS-B877	10-12	1/18/2018	<0.0062U	<0.012U	<0.011U	<0.011U	1.5	0.47	0.1	<0.0092U	<0.013U	2.101
SSHS-B877	2-4	1/18/2018	<0.13U	<0.26U	<0.24U	<0.24U	82	30	3.3	<0.2U	<0.28U	116
SSHS-B877	4-6	1/18/2018	<0.063U	<0.13U	<0.11U	<0.12U	24	7.9	1	<0.094U	<0.14U	33.23
SSHS-B877	6-8	1/18/2018	<0.063U	<0.12U	<0.11U	<0.12U	7	2.2	0.31	<0.094U	<0.14U	9.834
SSHS-B878	10-12	1/20/2018	<0.0065U	<0.013U	<0.012U	<0.012U	0.086	0.041	<0.0057U	<0.0098U	<0.014U	0.1635
SSHS-B878	6-8	1/20/2018	<0.0063U	<0.012U	<0.011U	<0.012U	0.29	0.13	0.017J	<0.0094U	<0.014U	0.4694
SSHS-B878	8-10	1/20/2018	<0.0063U	<0.013U	<0.012U	<0.012U	0.22	0.096	0.015J	<0.0095U	<0.014U	0.3644
SSHS-B879	10-12	1/19/2018	<0.0067U	<0.013U	<0.012U	<0.012U	1.4	0.46	0.051	<0.0099U	<0.014U	1.945
SSHS-B879	2-4	1/19/2018	<0.06U	<0.12U	<0.11U	<0.11U	51	18	1.9	<0.09U	<0.13U	71.21
SSHS-B879	6-8	1/19/2018	<0.062U	<0.12U	<0.11U	<0.11U	5.6	2.3	0.24	<0.092U	<0.13U	8.452
SSHS-B880	10-12	1/22/2018	<0.0068U	<0.013U	<0.012U	<0.012U	0.17	0.072	<0.0059U	<0.01U	<0.015U	0.2794
SSHS-B880	2-4	1/22/2018	<0.61U,F1	<1.2U	<1.1U	<1.1U	98	30	6.5	<0.91U	<1.3U	137.6
SSHS-B880	6-8	1/22/2018	<0.0065U	<0.013U	<0.012U	<0.012U	0.99	0.39	0.1	<0.0097U	<0.014U	1.514
SSHS-B881	2-4	1/22/2018	<0.64U	<1.3U	<1.2U	<1.2U	230	68	15	<0.96U	<1.4U	316.4
SSHS-B881	6-8	1/22/2018	<0.0067U	<0.013U	<0.012U	<0.012U	1.9	0.6	0.15	<0.01U	<0.014U	2.684
SSHS-B881	8-10	1/22/2018	<0.061U	<0.12U	<0.11U	<0.11U	4.4	1.5	0.24	<0.091U	<0.13U	6.451
SSHS-B882	10-12	1/12/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.055	0.025	<0.0052U	<0.0089U	<0.013U	0.1136
SSHS-B882	2-4	1/12/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.62	0.32	0.075	<0.0095U	<0.014U	1.048
SSHS-B882	6-8	1/12/2018	<0.0078U	<0.016U	<0.014U	<0.014U	0.19	0.097	0.025	<0.012U	<0.017U	0.3524
SSHS-B883	10-12	1/20/2018	<0.065U	<0.13U	<0.12U	<0.12U	41	19	2.5	<0.096U	<0.14U	62.84
SSHS-B883	6-8	1/20/2018	<0.062U	<0.12U	<0.11U	<0.11U	7.1	2.5	0.29	<0.092U	<0.13U	10.2
SSHS-B883	8-10	1/20/2018	<0.077U	<0.15U	<0.14U	<0.14U	59	32	4	<0.11U	<0.17U	95.39
SSHS-B884	2-4	1/11/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.12	0.036	<0.0054U	<0.0093U	<0.013U	0.19
SSHS-B884	6-8	1/11/2018	<0.0065U	<0.013U	<0.012U	<0.012U	0.13	0.034	0.0075J	<0.0097U	<0.014U	0.2051
SSHS-B885	10-12	1/17/2018	<0.0061U	<0.012U	<0.011U	<0.011U	3.9	1.3	0.37	<0.0091U	<0.013U	5.601
SSHS-B885	2-4	1/17/2018	<0.061U	<0.12U	<0.11U	<0.11U	25	7.3	0.92	<0.091U	<0.13U	33.53
SSHS-B885	6-8	1/17/2018	<0.031U	<0.061U	<0.056U	<0.057U	6.1J	2.1J	0.45J	<0.046U	<0.066U	8.809
SSHS-B886	10-12	1/19/2018	<0.059U	<0.12U	<0.11U	<0.11U	8.4	2.7	0.41	<0.088U	<0.13U	11.82
SSHS-B886	12-14	1/19/2018	<0.062U	<0.12U	<0.11U	<0.11U	3.9	1.4	0.2	<0.092U	<0.13U	5.812
SSHS-B886	2-4	1/19/2018	<0.62U	<1.2U	<1.1U	<1.1U	420	130	15	<0.93U	<1.3U	568.1
SSHS-B886	4-6	1/19/2018	<0.12U	<0.23U	<0.21U	<0.22U	62	20	2.6	<0.18U	<0.25U	85.21
SSHS-B886	6-8	1/19/2018	<0.059U	<0.12U	<0.11U	<0.11U	30	9.4	1.1	<0.087U	<0.13U	40.81
SSHS-B887	10-12	1/24/2018	<0.0061U	<0.012U	<0.011U	<0.011U	2	0.77	0.16	<0.0091U	<0.013U	2.961
SSHS-B887	6-8	1/12/2018	<0.033U	<0.065U	<0.059U	<0.06U	6	2.8	0.65	<0.049U	<0.07U	9.618
SSHS-B887	8-10	1/24/2018	<0.066U	<0.13U	<0.12U	<0.12U	11J	4.7J	1.2J	<0.098U	<0.14U	17.24

TABLE 3
PCB Results for Sub-Surface Soil
Rear Parking Lot

			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Arochlor 1268	Arochlor 1262	Total PCBs
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.0057	0.011	0.01	0.01	0.014	0.012	0.0051	0.0085	0.012	
Subsurface Soil Criteria												10
NYS Hazardous Material												50
Location	**Sample Depth Range (ft bgs)**	**Sample Date**										
SSHS-B888	10-12	1/22/2018	<0.063U	<0.13U	<0.11U	<0.12U	11	4	0.58	<0.094U	<0.14U	15.91
SSHS-B888	12-14	1/22/2018	<0.0067U	<0.013U	<0.012U	<0.012U	2.3	0.75	0.1	<0.01U	<0.014U	3.184
SSHS-B888	2-4	1/22/2018	<0.065UJ	<0.13UJ	<0.12UJ	<0.12UJ	35J	12J	2.7J	<0.097UJ	<0.14UJ	50.04
SSHS-B888	8-10	1/22/2018	<0.0061U	<0.012U	<0.011U	<0.011U	2.2	0.71	0.092	<0.0091U	<0.013U	3.033
SSHS-B889	10-12	1/12/2018	<0.0058U	<0.012U	<0.011U	<0.011U	2.7	1.2	0.25	<0.0087U	<0.013U	4.181
SSHS-B889	2-4	1/12/2018	<0.11U	<0.23U	<0.21U	<0.21U	33	14	2.7	<0.17U	<0.25U	50.29
SSHS-B889	6-8	1/12/2018	<0.029U	<0.058U	<0.053U	<0.054U	7.7	3.5	0.7	<0.044U	<0.063U	12.05
SSHS-B889	8-10	1/12/2018	<0.0058U	<0.011U	<0.011U	<0.011U	2	0.87	0.21	<0.0086U	<0.012U	3.11
SSHS-B890	10-12	1/23/2018	<0.3U	<0.6U	<0.55U	<0.55U	87	24	5.4	<0.45U	<0.65U	118
SSHS-B890	8-10	1/23/2018	<0.006U	<0.012U	<0.011U	<0.011U	2.1	0.76	0.19	<0.009U	<0.013U	3.081
SSHS-B891	10-12	1/19/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.19p	0.078	<0.0056U	<0.0096U	<0.014U	0.3043
SSHS-B891	2-4	1/19/2018	<0.062U	<0.12U	<0.11U	<0.12U	13	4.6	0.59	<0.093U	<0.13U	18.51
SSHS-B891	4-6	1/19/2018	<0.061U	<0.12U	<0.11U	<0.11U	5.7	2	0.28	<0.092U	<0.13U	8.292
SSHS-B891	6-8	1/19/2018	<0.0063U	<0.012U	<0.011U	<0.012U	0.89	0.28	0.039	<0.0094U	<0.014U	1.241
SSHS-B892	10-12	1/17/2018	<0.0059U	<0.012U	<0.011U	<0.011U	0.67J	0.21J	0.045J	<0.0089U	<0.013U	0.9559
SSHS-B892	12-14	1/17/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.57	0.98*	<0.0056U,*	<0.0095U,*	<0.014U,*	1.586
SSHS-B892	2-4	1/17/2018	<0.12U	<0.24U	<0.22U	<0.22U	94	34	3.2	<0.18U	<0.26U	131.8
SSHS-B892	4-6	1/17/2018	<0.06U	<0.12U	<0.11U	<0.11U	12	5.2	1.1	<0.09U	<0.13U	18.61
SSHS-B892	6-8	1/17/2018	<0.0061U	<0.012U	<0.011U	<0.011U	1.5	0.73	0.16	<0.0092U	<0.013U	2.421
SSHS-B892	8-10	1/17/2018	<0.0066U	<0.013U	<0.012U	<0.012U	1	0.41	0.069	<0.0099U	<0.014U	1.513
SSHS-B893	10-12	1/19/2018	<0.061U	<0.12U	<0.11U	<0.11U	11	3.6	0.45	<0.091U	<0.13U	15.36
SSHS-B893	12-14	1/19/2018	<0.064U	<0.13U	<0.12U	<0.12U	3.2	1.4	0.15J	<0.095U	<0.14U	5.085
SSHS-B893	2-4	1/19/2018	<0.13U	<0.25U	<0.23U	<0.23U	86	28	3.2	<0.19U	<0.27U	117.9
SSHS-B893	4-6	1/19/2018	<0.061U	<0.12U	<0.11U	<0.11U	9.9	3.8	0.58	<0.091U	<0.13U	14.59
SSHS-B893	6-8	1/19/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.025	<0.013U	<0.0054U	<0.0091U	<0.013U	0.0653
SSHS-B894	2-4	1/9/2018	<0.006U	<0.012U	<0.011U	<0.011U	3.4	1.3	0.27	<0.009U	<0.013U	5.001
SSHS-B894	4-6	1/9/2018	<0.006U	<0.012U	<0.011U	<0.011U	4.6	1.8	0.43	<0.009U	<0.013U	6.861
SSHS-B895	2-4	1/9/2018	<0.0061U,F2,F1	<0.012U	<0.011U	<0.011U	0.45	0.16	0.039	<0.009U	<0.013U	0.6801
SSHS-B896	2-4	1/12/2018	<0.0058U	<0.012U	<0.011U	<0.011U	0.16	0.11	0.033	<0.0087U	<0.013U	0.3338
SSHS-B897	2-4	1/10/2018	<0.61U	<1.2U	<1.1U	<1.1U	110	26	6.8	<0.9U	<1.3U	145.9
SSHS-B897	4-6	1/10/2018	<0.3U	<0.59U	<0.54U	<0.55U	79	18	5.3	<0.44U	<0.64U	103.8
SSHS-B897	6-8	1/10/2018	<0.12U	<0.23U	<0.21U	<0.21U	27	6.3	<0.1U	<0.17U	0.76	34.58
SSHS-B898	2-4	1/12/2018	<0.058U	<0.12U	<0.11U	<0.11U	13	6.6	1.4	<0.087U	<0.13U	21.31
SSHS-B898	4-6	1/12/2018	<0.12U	<0.24U	<0.22U	<0.22U	34	8.5	1.7	<0.18U	<0.26U	44.82
SSHS-B898	6-8	1/12/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.21	0.41	<0.0052U	<0.0089U	<0.013U	0.6536
SSHS-B903	2-4	1/12/2018	<0.0058U	<0.012U	<0.011U	<0.011U	<0.014U	<0.012U	<0.0051U	<0.0086U	<0.012U	<0.0915
SSHS-B904	2-4	1/9/2018	<0.6U	<1.2U	<1.1U	<1.1U	150	47	8.7	<0.89U	<1.3U	208.8
SSHS-B904	4-6	1/9/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.75	0.42	0.13	<0.0095U	<0.014U	1.333
SSHS-B904	6-8	1/9/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.18	0.25	<0.0053U	<0.009U	<0.013U	0.4637
SSHS-B904	8-10	1/9/2018	<0.0062U	<0.012U	<0.011U	<0.011U	6.1	2.4	0.55	<0.0092U	<0.013U	9.081
SSHS-B905	4-6	1/17/2018	<0.0062U	<0.012U	<0.011U	<0.011U	2.7J	0.89J	0.21J	<0.0093U	<0.013U	3.831
SSHS-B905	6-8	1/17/2018	<0.065U	<0.13U	<0.12U	<0.12U	29	12	1.8	<0.096U	<0.14U	43.14
SSHS-B905	8-10	1/17/2018	<0.0062U	<0.012U	<0.011U	<0.011U	3.6	1.6	0.33	<0.0092U	<0.013U	5.561
SSHS-B906	2-4	1/20/2018	<0.12U	<0.24U	<0.22U	<0.22U	71	27	3.5	<0.18U	<0.26U	102.1
SSHS-B906	4-6	1/20/2018	<0.06U	<0.12U	<0.11U	<0.11U	24	8.7	1.1	<0.089U	<0.13U	34.11
SSHS-B906	6-8	1/24/2018	<0.06U	<0.12U	<0.11U	<0.11U	28J	8.8J	2J	<0.09U	<0.13U	39.11
SSHS-B907	2-4	1/11/2018	<0.12U	<0.23U	<0.21U	<0.22U	38	9.4	2.7	<0.18U	<0.25U	50.71
SSHS-B907	6-8	1/11/2018	<0.0061U	<0.012U	<0.011U	<0.011U	<0.015U	<0.013U	<0.0053U	<0.009U	<0.013U	<0.0954
SSHS-B908	2-4	1/22/2018	<0.0061U	<0.012U	<0.011U	<0.011U	2.8	1	0.11	<0.0091U	<0.013U	3.941
SSHS-B908	4-6	1/22/2018	<0.0068U	<0.013U	<0.012U	<0.012U	0.55	0.26	0.031	<0.01U	<0.015U	0.8754
SSHS-B909	2-4	1/11/2018	<0.0064U	<0.013U	<0.012U	<0.012U	2.7	0.96	0.36	<0.0095U	<0.014U	4.053
SSHS-B910	2-4	1/11/2018	<0.0063U	<0.013U	<0.012U	<0.012U	0.077	0.018J	<0.0055U	<0.0094U	<0.014U	0.1311
SSHS-B910	4-6	1/11/2018	<0.0065U	<0.013U	<0.012U	<0.012U	0.34	0.18	0.054	<0.0097U	<0.014U	0.6076
SSHS-B911	2-4	1/19/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.38	0.12	<0.0052U	<0.0089U	<0.013U	0.5336
SSHS-B911	6-8	1/19/2018	<0.0063U	<0.012U	<0.011U	<0.012U	1.9	0.7	0.099	<0.0093U	<0.014U	2.731
SSHS-B911	8-10	1/19/2018	<0.0064U	<0.013U	<0.012U	<0.012U	<0.015U	<0.013U	<0.0056U	<0.0095U	<0.014U	<0.1005
SSHS-B912	2-4	1/20/2018	<0.069U	<0.14U	<0.13U	<0.13U	29	13	1.4	<0.1U	<0.15U	43.76
SSHS-B913	2-4	1/23/2018	<0.059U	<0.12U	<0.11U	<0.11U	17	5.3	0.71	<0.088U	<0.13U	23.32
SSHS-B913	6-8	1/22/2018	<0.065U	<0.13U	<0.12U	<0.12U	3.8	1.5	0.22	<0.096U	<0.14U	5.856
SSHS-B914	2-4	1/22/2018	<0.06U	<0.12U	<0.11U	<0.11U	1.1p	0.8	0.17J	<0.089U	<0.13U	2.38
SSHS-B914	4-6	1/22/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.83	0.54	0.12	<0.0093U	<0.013U	1.521
SSHS-B915	2-4	1/12/2018	<0.029U,F1	<0.058U	<0.053U	<0.054U	5.8	2.6	0.55	<0.044U	<0.063U	9.101
SSHS-B916	2-4	1/16/2018	<0.29U	<0.58U	<0.53U	<0.54U	58	24	3.6	<0.43U	<0.63U	87.1
SSHS-B917	12-14	1/18/2018	<0.066U	<0.13U	<0.12U	<0.12U	2.7	0.98	0.16J	<0.099U	<0.14U	4.178
SSHS-B917	2-4	1/18/2018	<0.12U,F2,F1	<0.25U	<0.23U	<0.23U	57	23	2.5F1	<0.19U	<0.27U	83.15
SSHS-B917	6-8	1/18/2018	<0.066U	<0.13U	<0.12U	<0.12U	8.6	2.9	0.34	<0.098U	<0.14U	12.18
SSHS-B918	6-8	1/18/2018	<0.0064U	<0.013U	<0.012U	<0.012U	0.38	0.14	0.031	<0.0095U	<0.014U	0.5845
SSHS-B919	10-12	1/12/2018	<0.0062U	<0.012U	<0.011U	<0.011U	1.5	0.62	0.13	<0.0092U	<0.013U	2.281
SSHS-B919	6-8	1/12/2018	<0.059U	<0.12U	<0.11U	<0.11U	20	8.1	1.6	<0.088U	<0.13U	30.01
SSHS-B920	10-12	1/16/2018	<0.032U	<0.063U	<0.057U	<0.058U	4.6	2.1	0.43	<0.047U	<0.068U	7.293
SSHS-B920	2-4	1/16/2018	<0.13U	<0.26U	<0.24U	<0.24U	29	13	2.5	<0.19U	<0.28U	45.17
SSHS-B920	4-6	1/16/2018	<0.063U	<0.13U	<0.12U	<0.12U	11	6.1	1.6	<0.094U	<0.14U	19.03
SSHS-B920	6-8	1/16/2018	<0.062U	<0.12U	<0.11U	<0.11U	8.2	3.7	0.77	<0.092U	<0.13U	12.98
SSHS-B920	8-10	1/16/2018	<0.0062U	<0.012U	<0.011U	<0.011U	2.3	1	0.19	<0.0093U	<0.013U	3.521
SSHS-B921	2-4	1/11/2018	<0.006U	<0.012U	<0.011U	<0.011U	0.89	0.31	0.1	<0.0089U	<0.013U	1.331
SSHS-B922	2-4	1/12/2018	<0.0065U	<0.013U	<0.012U	<0.012U	1.4	0.71	0.2	<0.0097U	<0.014U	2.344
SSHS-B923	2-4	1/11/2018	<0.3U	<0.59U	<0.54U	<0.55U	66	20	4.7	<0.45U	<0.64U	92.24
SSHS-B923	4-6	1/11/2018	<0.061U	<0.12U	<0.11U	<0.11U	19	5.8	1.4	<0.09U	<0.13U	26.51
SSHS-B924	2-4	1/19/2018	<0.0062U,F1	<0.012U	<0.011U	<0.011U	1.7	0.65	0.1	<0.0092U	<0.013U	2.481
SSHS-B925	2-4	1/12/2018	<0.006U	<0.012U	<0.011U	<0.011U	1	0.41	0.089	<0.009U	<0.013U	1.53
SSHS-B925	4-6	1/12/2018	<0.0062U	<0.012U	<0.011U	<0.011U	1.2	0.37	0.11	<0.0092U	<0.013U	1.711
SSHS-B926	2-4	1/18/2018	<0.006U	<0.012U	<0.011U	<0.011U	1.2	0.86	0.28	<0.009U	<0.013U	2.371

TABLE 3
PCB Results for Sub-Surface Soil
Rear Parking Lot

			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Arochlor 1268	Arochlor 1262	Total PCBs
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.0057	0.011	0.01	0.01	0.014	0.012	0.0051	0.0085	0.012	
Subsurface Soil Criteria												10
NYS Hazardous Material												50
Location	**Sample Depth Range (ft bgs)**	**Sample Date**										
SSHS-B927	2-4	1/11/2018	<0.0067U	<0.013U	<0.012U	<0.012U	0.054	0.023	<0.0058U	<0.01U	<0.014U	0.1138
SSHS-B928	2-4	1/11/2018	<0.059U	<0.12U	<0.11U	<0.11U	13	4.4	1.4	<0.089U	<0.13U	19.11
SSHS-B928	4-6	1/11/2018	<0.0061U	<0.012U	<0.011U	<0.011U	1	0.41	0.12	<0.0091U	<0.013U	1.561
SSHS-B929	2-4	1/8/2018	<0.006U	<0.012U	<0.011U	<0.011U	2.2	0.86	0.21	<0.009U	<0.013U	3.301
SSHS-B930	2-4	1/16/2018	<0.0062U	<0.012U	<0.011U	<0.011U	2.4	1.1	0.18	<0.0092U	<0.013U	3.711
SSHS-B930	6-8	1/23/2018	<0.0059U	<0.012U	<0.011U	<0.011U	0.35	0.15	0.038	<0.0088U	<0.013U	0.5689
SSHS-B930	8-10	1/23/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.016J	<0.013U	<0.0054U	<0.0093U	<0.013U	0.05645
SSHS-B931	4-6	1/10/2018	<0.06U	<0.12U	<0.11U	<0.11U	7.3	3.2	0.77	<0.089U	<0.13U	11.58
SSHS-B932	2-4	1/24/2018	<0.64U	<1.3U	<1.2U	<1.2U	120	34	7.6	<0.96U	<1.4U	165
SSHS-B932	4-6	1/10/2018	<0.07U	<0.14U	<0.13U	<0.13U	21	5.3	1.6	<0.1U	<0.15U	28.26
SSHS-B933	2-4	1/19/2018	<0.25U	<0.51U	<0.46U	<0.47U	230	71	7.1	<0.38U	<0.55U	309.4
SSHS-B936	2-4	1/9/2018	<0.058U	<0.12U	<0.11U	<0.11U	28	9.8	2.2	<0.087U	<0.13U	40.31
SSHS-B937	4-6	1/20/2018	<0.058U	<0.12U	<0.11U	<0.11U	24	8.1	0.85	<0.087U	<0.13U	33.26
SSHS-B938	2-4	1/9/2018	<0.61U	<1.2U	<1.1U	<1.1U	180	59	11	<0.9U	<1.3U	253.1
SSHS-B938	4-6	1/23/2018	<0.0063U	<0.012U	<0.011U	<0.012U	2.6	0.92	0.25	<0.0093U	<0.014U	3.802
SSHS-B939	2-4	1/11/2018	<0.3U	<0.61U	<0.56U	<0.56U	88	21	5.8	<0.46U	<0.66U	116.4
SSHS-B939	6-8	1/23/2018	<0.0063U	<0.013U	<0.012U	<0.012U	2.1	0.7	0.18	<0.0094U	<0.014U	3.013
SSHS-B940	2-4	1/22/2018	<0.63U	<1.3U	<1.1U	<1.2U	190	56	13	<0.94U	<1.4U	262.3
SSHS-B941	2-4	1/14/2018	<0.12U	<0.24U	<0.22U	<0.22U	29	11	1.9	<0.18U	<0.26U	42.52
SSHS-B941	4-6	1/14/2018	<0.061U	<0.12U	<0.11U	<0.11U	11	4.3	0.74	<0.091U	<0.13U	16.35
SSHS-B942	2-4	1/14/2018	<0.029U	<0.057U	<0.052U	<0.053U	3.2	1.6	0.32p	<0.043U	<0.062U	5.268
SSHS-B942	8-10	1/24/2018	<0.0061U	<0.012U	<0.011U	<0.011U	0.042	<0.013U	<0.0053U	<0.0091U	<0.013U	0.08225
SSHS-B943	2-4	1/10/2018	<0.06U,F1	<0.12U	<0.11U	<0.11U	7.5	1.8	0.42	<0.089U	<0.13U	10.03
SSHS-B944	4-6	1/20/2018	<0.06U,F1	<0.12U	<0.11U	<0.11U	37	11	1.3	<0.089U	<0.13U	49.61
SSHS-B945	2-4	1/22/2018	<0.63U	<1.3U	<1.2U	<1.2U	280	79	18	<0.94U	<1.4U	380.3
SSHS-B945	4-6	1/22/2018	<0.0066U	<0.013U	<0.012U	<0.012U	0.79	0.3	0.078	<0.0098U	<0.014U	1.202
SSHS-B945	6-8	1/22/2018	<0.033U	<0.066U	<0.06U	<0.061U	7.8	2.3	0.5	<0.049U	<0.072U	10.77
SSHS-B946	2-4	1/22/2018	<0.67U	<1.3U	<1.2U	<1.2U	130	43	10	<1U	<1.4U	186.4
SSHS-B946	4-6	1/22/2018	<0.063U	<0.12U	<0.11U	<0.12U	30	8.9	2	<0.093U	<0.14U	41.22
SSHS-B946	6-8	1/22/2018	<0.0069U	<0.014U	<0.013U	<0.013U	0.17	0.057	<0.006U	<0.01U	<0.015U	0.266
SSHS-B947	6-8	1/22/2018	<0.0062U	<0.012U	<0.011U	<0.011U	0.057	0.023	<0.0054U	<0.0093U	<0.013U	0.114
SSHS-B948	10-12	1/23/2018	<0.0063U	<0.013U	<0.012U	<0.012U	0.048	0.021	<0.0055U	<0.0095U	<0.014U	0.1052

Notes:
J - estimated value
U - non-detect
D - identified in an analysis at the secondary dilution factor
- - not analyzed
mg/kg - milligram per kilogram
ft bgs - feet below ground surface
PCBs - polychlorinated biphenyls
Concentrations detected above the soil criteria for PCBs (>2 ft bgs) of 10 mg/kg are presented in grey.
PCB concentrations detected above New York State hazardous waste threshold (6 NYCRR Part 371.4 (e)) are presented in dark grey

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			Inorganics			Pesticides							Herbicides	
			Cyanide Total	Sulphide	pH (Lab)	chlordane	Endrin	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	2,4,5-TP (Silvex)	Hedonal
		Units	mg/kg	mg/kg	pH Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.25	0.014	0.1	0.076	0.0069	0.0061	0.0056	0.0045	0.0069	0.48	0.0071	0.028
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B830	1/23/2018	6-8	3.4	52	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	0.72	22J	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	1.3	<12U	8.4HF	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	<0.33U	<13U,F1	4.2HF	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	4.1	<11U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	<0.27U	11J	8.1HF	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	0.32J	260	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	<0.3U	<11U	8.9HF	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	0.5	<11U	8.2HF	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	0.58	<11U	8.2HF	<0.077U	<0.007U	<0.0062U	<0.0056U	1.1p	<0.007U	<0.49U	<0.0073U	<0.029U
SSHS-B849	1/22/2018	4-6	0.39J	<12U	9.5HF	<0.082U	<0.0075U	<0.0066U	<0.006U	0.22p	<0.0075U	<0.52U	<0.0076U	<0.03U
SSHS-B851	1/18/2018	4-6	0.59	<11U	10.2HF	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	1.2	<11U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	1.2	12J	8.4HF	<0.41U	1.4p	0.07J,p	<0.03U,F1	<0.025U,F1	<0.037U,F1	<2.6U	<0.0076U	<0.03U
SSHS-B865	1/17/2018	0-2	<0.26U	22J	8.2HF	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	0.69	<12U	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	<0.27U	<11U	8.3HF	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	<0.25U	<10U	8.4HF	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	<0.27U	<11U	8.5HF	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	<0.29U	<12U	7.7HF	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	<0.27U	14J	6.7HF	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	<0.27U	<11U	8.9HF	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	0.6	<12U	8.1HF	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	<0.28U	<12U,F1	7.8HF	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B

Summary of Waster Characterization Results - Total Constituents

Rear Parking Lot

			Inorganics			Pesticides							Herbicides	
			Cyanide Total	Sulphide	pH (Lab)	chlordane	Endrin	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	2,4,5-TP (Silvex)	Hedonal
		Units	mg/kg	mg/kg	pH Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.25	0.014	0.1	0.076	0.0069	0.0061	0.0056	0.0045	0.0069	0.48	0.0071	0.028
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B881	1/22/2018	4-6	<0.27U	<11U	10.3HF	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	<0.32U	<12U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	1.2	<11U	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	0.83	<0.014U	8.3HF	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	0.41J	<11U	8HF	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	2.8	<12U	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	<0.31U	30J	3.8HF	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	<0.29U	12J	6.1HF	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	<0.28U	<11U	6.9HF	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	0.65	<11U	8.9HF	<0.16U	<0.014U	<0.012U	<0.011U	<0.0093U	<0.014U	<0.98U	<0.0073U	<0.029U
SSHS-B887	1/12/2018	4-6	1.1	<12U	8HF	<0.084U	<0.0076U	<0.0067U	<0.0061U	<0.005U	<0.0076U	<0.53U	<0.0078U	<0.031U
SSHS-B887	1/24/2018	8-10	<0.3U	<12U	4.7HF	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	0.48J	<12U	8.4HF	<0.17U	0.39p	<0.014U	<0.012U	<0.01U	<0.016U	<1.1U	<0.008U	<0.031U
SSHS-B888	1/22/2018	4-6	<0.29U	<11U	7.6HF	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	0.44J	<11U	8HF	<0.079U	<0.0072U	<0.0063U	<0.0058U	1.7p	<0.0072U	<0.5U	<0.0074U	<0.029U
SSHS-B890	1/22/2018	4-6	0.51	<11U	8.4HF	<0.078U	<0.0071U,F1	<0.0062U	<0.0057U,F1	0.65p	0.0071U,F2,F	<0.49U	<0.0073U	<0.029U
SSHS-B890	1/23/2018	8-10	0.85	<11U	10.7HF	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	<0.27U	11J	4.5HF	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	<0.29U	<11U	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	<0.31U	<12U	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	0.51	<11U	10.3HF	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	1.7	<11U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	2.1	<11U	8.3HF	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	0.32J	<11U	8.3HF	<0.076U	<0.0069U	<0.0061U	<0.0056U	<0.0045U	<0.0069U	<0.48U	<0.0073U	<0.029U
SSHS-B917	1/18/2018	0-2	<0.26U	<11U	8.5HF	<0.076U	0.01J,p,F1,F2	<0.0061U	<0.0056U	<0.0045U,F1	0.0069U,F1,F	<0.48U	<0.0071U	<0.028U
SSHS-B918	1/18/2018	8-10	<0.3U	<12U	4.8HF	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	0.49J	<12U	9.2HF	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	1.4	<11U	9.4HF	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	0.67	<11U	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	<0.29U	<11U	8.4HF	-	-	-	-	-	-	-	-	-

Notes:

J - estimated value

U-non-detect

D - identified in an analysis at the dilution factor

-- not analyzed

µg/L - micrograms per liter

mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			SVOCs											
			1,4-dichlorobenzene	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-Dinitrotoluene	2-methylphenol	4-methylphenol	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Nitrobenzene	Pentachlorophenol	Pyridine
		Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.027	0.038	0.035	0.052	0.035	0.035	0.032	0.025	0.028	0.03	0.75	0.038
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.05U	<0.07U	<0.064U	<0.097U	<0.065U	<0.065U	<0.059U	<0.046U	<0.052U	<0.056U	<1.4U	<0.07U
SSHS-B849	1/22/2018	4-6	<0.13U	<0.18U	<0.17U	<0.25U	<0.17U	<0.17U	<0.15U	<0.12U	<0.14U	<0.14U	<3.6U	<0.18U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.052U	<0.072U	<0.066U	<0.1U	<0.067U	<0.067U	<0.061U	<0.048U	<0.054U	<0.058U	<1.4U	<0.073U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			SVOCs											
			1,4-dichlorobenzene	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-Dinitrotoluene	2-methylphenol	4-methylphenol	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Nitrobenzene	Pentachlorophenol	Pyridine
		Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.027	0.038	0.035	0.052	0.035	0.035	0.032	0.025	0.028	0.03	0.75	0.038
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.5U	<0.69U	<0.63U	<0.96U	<0.64U	<0.64U	<0.58U	<0.46U	<0.52U	<0.55U	<14U,F1	<0.69U,F2
SSHS-B887	1/12/2018	4-6	<0.052U	<0.073U	<0.067U	<0.1U	<0.068U	<0.068U	<0.062U	<0.048U	<0.055U	<0.059U	<1.4U	<0.073U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.027U	<0.038U	<0.035U	<0.052U	<0.035U	<0.035U	<0.032U	<0.025U	<0.028U	<0.03U	<0.75U	<0.038U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.05U	<0.069U	<0.064U	<0.097U	<0.065U	<0.065U	<0.059U	<0.046U	<0.052U	<0.056U	<1.4U	<0.07U
SSHS-B890	1/22/2018	4-6	<0.049U	<0.068U	<0.063U	<0.095U	<0.063U	<0.064U	<0.058U	<0.045U	<0.052U	<0.055U	<1.4U	<0.069U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.5U	<0.69U	<0.64U	<0.97U	<0.64U	<0.65U	<0.59U	<0.46U	<0.52U	<0.56U	<14U	<0.7U
SSHS-B917	1/18/2018	0-2	<0.24U	<0.34U	<0.31U	<0.47U	<0.31U	<0.31U,F2	<0.28U	<0.22U	<0.25U	<0.27U	<6.7U,F1	<0.34U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			VOCs																
			1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-Dichloroethene	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-Dioxane	Methyl Ethyl Ketone	2-hexanone (MBK)
		Units	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	mg/kg	mg/kg
		EQL	0.0025	0.003	0.0024	0.0018	0.0029	0.0021	0.0016	0.0031	0.0027	0.004	0.0015	0.004	0.0025	0.0016	0.001	0.037	0.0029	0.0042
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.13U	<0.15U	<0.12U	<0.09U	<0.14U	<0.1U	<0.08U	<0.15U	<0.14U	<0.2U	<0.072U	<0.2U	<0.12U	<0.079U	<0.051U	<1.8U	<0.14U	<0.21U
SSHS-B849	1/22/2018	4-6	<0.0031U	<0.0037U	<0.003U	<0.0022U	<0.0035U	<0.0026U	<0.002U	<0.0038U	<0.0034U	<0.005U	<0.0018U	<0.0049U	<0.003U	<0.002U	<0.0013U	<0.045U	<0.0036U	<0.0052U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.0027U	<0.0032U	<0.0026U	<0.0019U	<0.003U	<0.0022U	<0.0017U	<0.0033U	<0.0029U	<0.0043U	<0.0015U	<0.0042U	<0.0026U	<0.0017U	<0.0011U	<0.039U	<0.0031U	<0.0044U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			VOCs																
			1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-Dichloroethene	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-Dioxane	Methyl Ethyl Ketone	2-hexanone (MBK)
		Units	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	mg/kg	mg/kg
		EQL	0.0025	0.003	0.0024	0.0018	0.0029	0.0021	0.0016	0.0031	0.0027	0.004	0.0015	0.004	0.0025	0.0016	0.001	0.037	0.0029	0.0042
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.0025U	<0.003U	<0.0024U	<0.0018U	<0.0029U	<0.0021U	<0.0016U	<0.0031U	<0.0027U	<0.004U	<0.0015U	<0.004U	<0.0025U	<0.0016U	<0.001U	<0.037U,*	<0.0029U	<0.0042U
SSHS-B887	1/12/2018	4-6	<0.0028U	<0.0034U	<0.0027U	<0.002U	<0.0032U	<0.0023U	<0.0018U	<0.0035U	<0.0031U	<0.0046U	<0.0016U	<0.0045U	<0.0028U	<0.0018U	<0.0012U	<0.041U,*	<0.0033U	<0.0047U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.0029U	<0.0035U	<0.0028U	<0.0021U	<0.0033U	<0.0024U,*	<0.0019U,*	<0.0036U,*	<0.0032U	<0.0047U,*	<0.0017U	<0.0046U	<0.0029U	<0.0019U,*	<0.0012U,*	<0.043U	<0.0034U	<0.0049U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.0031U	<0.0036U	<0.0029U	<0.0022U	<0.0035U	<0.0025U	<0.002U	<0.0037U	<0.0033U	<0.0049U	<0.0018U	<0.0048U	<0.003U	<0.0019U	<0.0012U	<0.044U	<0.0035U	<0.0051U
SSHS-B890	1/22/2018	4-6	<0.0029U	<0.0034U	<0.0027U	<0.0021U	<0.0033U	<0.0024U	<0.0018U	<0.0035U	<0.0031U	<0.0046U	<0.0017U	<0.0045U	<0.0028U	<0.0018U	<0.0012U	<0.042U	<0.0033U	<0.0048U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.0028U	<0.0033U	<0.0027U	<0.002U	<0.0031U	<0.0023U	<0.0018U	<0.0034U	<0.003U	<0.0044U	<0.0016U	<0.0044U	<0.0027U	<0.0018U	<0.0011U	<0.04U	<0.0032U	<0.0046U
SSHS-B917	1/18/2018	0-2	<0.0026U	<0.0031U	<0.0025U	<0.0019U	<0.003U	<0.0022U	<0.0017U	<0.0032U	<0.0029U	<0.0042U	<0.0015U	<0.0042U	<0.0026U	<0.0017U	<0.0011U	<0.038U	<0.003U	<0.0044U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			VOCs																	
			4-Methyl-2-pentanone	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Cyclohexane	Dichlorodifluoromethane
		Units	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	mg/kg	mg/kg
		EQL	0.0019	0.0032	0.002	0.0019	0.0024	0.0026	0.0045	0.003	0.0033	0.0016	0.0024	0.0026	0.0021	0.0039	0.0016	0.0016	0.0012	0.0029
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.092U	<0.16U	<0.098U	<0.096U	<0.12U	<0.13U	<0.22U	<0.15U	<0.17U	<0.078U	<0.12U	<0.13U	<0.11U	<0.19U	<0.078U	<0.08U	<0.061U	<0.15U
SSHS-B849	1/22/2018	4-6	<0.0023U	0.014J	<0.0024U	<0.0024U	<0.0029U	<0.0032U	<0.0055U	<0.0037U	<0.0041U	<0.0019U	<0.003U	<0.0032U	<0.0026U	<0.0048U	<0.0019U	<0.002U	<0.0015U	<0.0036U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.002U	0.0061J	<0.0021U	<0.002U	<0.0025U	<0.0028U,*	<0.0048U	<0.0032U	<0.0035U	<0.0017U	<0.0026U	<0.0027U	<0.0022U	<0.0041U	<0.0017U	<0.0017U	<0.0013U	<0.0031U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			VOCs																	
			4-Methyl-2-pentanone	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Cyclohexane	Dichlorodifluoromethane
		Units	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	mg/kg	mg/kg
		EQL	0.0019	0.0032	0.002	0.0019	0.0024	0.0026	0.0045	0.003	0.0033	0.0016	0.0024	0.0026	0.0021	0.0039	0.0016	0.0016	0.0012	0.0029
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.0019U	<0.0032U	<0.002U	<0.0019U	<0.0024U	<0.0026U	<0.0045U	<0.003U	<0.0033U	<0.0016U	<0.0024U	<0.0026U	<0.0021U	<0.0039U	<0.0016U	<0.0016U	<0.0012U	<0.0029U
SSHS-B887	1/12/2018	4-6	<0.0021U	0.16 - 0.005J,	<0.0022U	<0.0022U	<0.0027U	<0.003U	<0.0051U	<0.0034U	<0.0038U	<0.0018U	<0.0027U	<0.0029U	<0.0024U	<0.0044U	<0.0018U	<0.0018U	<0.0014U	<0.0033U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.0022U	<0.0037U	<0.0023U	<0.0022U	<0.0027U	<0.003U	<0.0052U	<0.0035U	<0.0039U	<0.0018U	<0.0028U	<0.003U	<0.0025U	<0.0045U	<0.0018U	<0.0019U	<0.0014U	<0.0034U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.0023U	<0.0038U	<0.0024U	<0.0023U	<0.0029U	<0.0032U	<0.0055U	<0.0037U	<0.004U	<0.0019U	<0.0029U	<0.0031U	<0.0026U	<0.0047U	<0.0019U	<0.0019U	<0.0015U	<0.0035U
SSHS-B890	1/22/2018	4-6	<0.0021U	<0.0036U	<0.0022U	<0.0022U	<0.0027U	<0.003U	<0.0051U	<0.0034U	<0.0038U	<0.0018U	<0.0027U	<0.003U	<0.0024U	<0.0044U	<0.0018U	<0.0018U	<0.0014U	<0.0033U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.0021U	<0.0035U	<0.0022U	<0.0021U	<0.0026U	<0.0029U,*	<0.005U	<0.0033U	<0.0037U	<0.0017U	<0.0027U	<0.0029U	<0.0023U	<0.0043U	0.0022J	<0.0018U	<0.0013U	<0.0032U
SSHS-B917	1/18/2018	0-2	<0.0019U	<0.0033U	<0.002U	<0.002U	<0.0025U	<0.0027U,*	<0.0047U	<0.0031U	<0.0035U	<0.0016U	<0.0025U	<0.0027U	<0.0022U	<0.004U	<0.0016U	<0.0017U	<0.0013U	<0.003U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
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-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			VOCs									VOCs					
			Dichloromethane	Ethylbenzene	Isopropylbenzene	Methyl-tert-butyl ether	Styrene	Trichloroethene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichlorofluoromethane	Vinyl chloride	Xylene (m & p)	Xylene (o)	Xylene Total
		Units	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
		EQL	0.0024	0.0022	0.0023	0.0037	0.0013	0.0016	0.002	0.0017	0.0026	0.0017	0.0015	0.0037	0.0019	0.0025	0.0043
Location	**Sample Date**	**Sample Depth Range (ft bgs)**															
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.12U	<0.11U	<0.12U	<0.18U	<0.066U	0.54	<0.1U	<0.084U	<0.13U	<0.086U	<0.073U	<0.18U	<0.093U	<0.12U	<0.21U
SSHS-B849	1/22/2018	4-6	<0.0029U	<0.0027U	<0.0029U	<0.0045U	<0.0016U	<0.0019U	<0.0025U	<0.0021U	<0.0031U	<0.0021U	<0.0018U	<0.0045U	<0.0023U	<0.003U	<0.0053U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.0025U	<0.0023U	<0.0025U	<0.0039U	<0.0014U	0.028	<0.0021U	<0.0018U	<0.0027U	<0.0018U	<0.0015U	<0.0039U	<0.002U	<0.0026U	<0.0046U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			VOCs									VOCs					
			Dichloromethane	Ethylbenzene	Isopropylbenzene	Methyl-tert-butyl ether	Styrene	Trichloroethene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichlorofluoromethane	Vinyl chloride	Xylene (m & p)	Xylene (o)	Xylene Total
Units			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
EQL			0.0024	0.0022	0.0023	0.0037	0.0013	0.0016	0.002	0.0017	0.0026	0.0017	0.0015	0.0037	0.0019	0.0025	0.0043
Location	**Sample Date**	**Sample Depth Range (ft bgs)**															
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.0024U	<0.0022U	<0.0023U	<0.0037U	<0.0013U	081 - 0.0024	<0.002U	<0.0017U	<0.0026U	<0.0017U	<0.0015U	<0.0037U	<0.0019U	<0.0025U	<0.0043U
SSHS-B887	1/12/2018	4-6	<0.0027U	<0.0024U	<0.0026U	<0.0042U	<0.0015U	<0.0017U	<0.0023U	<0.0019U	<0.0029U	<0.002U	<0.0016U	<0.0041U	<0.0021U	<0.0028U	<0.0049U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.0027U	<0.0025U	<0.0027U	<0.0043U	<0.0016U	<0.0017U	<0.0023U	<0.002U	<0.003U	<0.002U	<0.0017U	<0.0043U	<0.0022U	<0.0028U	<0.005U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.0029U	<0.0026U	<0.0028U	<0.0045U	<0.0016U	<0.0018U	<0.0024U	0.0028J	<0.0031U	<0.0021U	<0.0018U	<0.0045U	0.0074	<0.003U	0.0074J
SSHS-B890	1/22/2018	4-6	<0.0027U	<0.0025U	<0.0026U	<0.0042U	<0.0015U	<0.0017U	<0.0023U	<0.0019U	<0.0029U	<0.002U	<0.0017U	<0.0042U	<0.0021U	<0.0028U	<0.0049U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.0026U	<0.0024U	<0.0026U	<0.0041U	<0.0015U	0.016	<0.0022U	<0.0019U	<0.0028U	<0.0019U	<0.0016U	<0.0041U	<0.0021U	<0.0027U	<0.0048U
SSHS-B917	1/18/2018	0-2	<0.0025U	<0.0022U	<0.0024U	<0.0038U	<0.0014U	<0.0016U	<0.0021U	<0.0018U	<0.0026U	<0.0018U	<0.0015U	<0.0038U	<0.002U	<0.0026U	<0.0045U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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-- not analyzed
µg/L - micrograms per liter
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TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			Inorganics			Pesticides							Herbicides	
			Cyanide Total	Sulphide	pH (Lab)	chlordane	Endrin	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	2,4,5-TP (Silvex)	Hedonal
		Units	mg/kg	mg/kg	pH Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.25	0.014	0.1	0.076	0.0069	0.0061	0.0056	0.0045	0.0069	0.48	0.0071	0.028
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B830	1/23/2018	6-8	3.4	52	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	0.72	22J	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	1.3	<12U	8.4HF	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	<0.33U	<13U,F1	4.2HF	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	4.1	<11U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	<0.27U	11J	8.1HF	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	0.32J	260	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	<0.3U	<11U	8.9HF	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	0.5	<11U	8.2HF	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	0.58	<11U	8.2HF	<0.077U	<0.007U	<0.0062U	<0.0056U	1.1p	<0.007U	<0.49U	<0.0073U	<0.029U
SSHS-B849	1/22/2018	4-6	0.39J	<12U	9.5HF	<0.082U	<0.0075U	<0.0066U	<0.006U	0.22p	<0.0075U	<0.52U	<0.0076U	<0.03U
SSHS-B851	1/18/2018	4-6	0.59	<11U	10.2HF	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	1.2	<11U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	1.2	12J	8.4HF	<0.41U	1.4p	0.07J,p	<0.03U,F1	<0.025U,F1	<0.037U,F1	<2.6U	<0.0076U	<0.03U
SSHS-B865	1/17/2018	0-2	<0.26U	22J	8.2HF	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	0.69	<12U	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	<0.27U	<11U	8.3HF	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	<0.25U	<10U	8.4HF	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	<0.27U	<11U	8.5HF	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	<0.29U	<12U	7.7HF	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	<0.27U	14J	6.7HF	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	<0.27U	<11U	8.9HF	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	0.6	<12U	8.1HF	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	<0.28U	<12U,F1	7.8HF	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B

Summary of Waster Characterization Results - Total Constituents

Rear Parking Lot

			Inorganics			Pesticides							Herbicides	
			Cyanide Total	Sulphide	pH (Lab)	chlordane	Endrin	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	2,4,5-TP (Silvex)	Hedonal
		Units	mg/kg	mg/kg	pH Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.25	0.014	0.1	0.076	0.0069	0.0061	0.0056	0.0045	0.0069	0.48	0.0071	0.028
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B881	1/22/2018	4-6	<0.27U	<11U	10.3HF	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	<0.32U	<12U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	1.2	<11U	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	0.83	<0.014U	8.3HF	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	0.41J	<11U	8HF	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	2.8	<12U	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	<0.31U	30J	3.8HF	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	<0.29U	12J	6.1HF	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	<0.28U	<11U	6.9HF	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	0.65	<11U	8.9HF	<0.16U	<0.014U	<0.012U	<0.011U	<0.0093U	<0.014U	<0.98U	<0.0073U	<0.029U
SSHS-B887	1/12/2018	4-6	1.1	<12U	8HF	<0.084U	<0.0076U	<0.0067U	<0.0061U	<0.005U	<0.0076U	<0.53U	<0.0078U	<0.031U
SSHS-B887	1/24/2018	8-10	<0.3U	<12U	4.7HF	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	0.48J	<12U	8.4HF	<0.17U	0.39p	<0.014U	<0.012U	<0.01U	<0.016U	<1.1U	<0.008U	<0.031U
SSHS-B888	1/22/2018	4-6	<0.29U	<11U	7.6HF	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	0.44J	<11U	8HF	<0.079U	<0.0072U	<0.0063U	<0.0058U	1.7p	<0.0072U	<0.5U	<0.0074U	<0.029U
SSHS-B890	1/22/2018	4-6	0.51	<11U	8.4HF	<0.078U	<0.0071U,F1	<0.0062U	<0.0057U,F1	0.65p	0.0071U,F2,F	<0.49U	<0.0073U	<0.029U
SSHS-B890	1/23/2018	8-10	0.85	<11U	10.7HF	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	<0.27U	11J	4.5HF	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	<0.29U	<11U	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	<0.31U	<12U	7.8HF	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	0.51	<11U	10.3HF	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	1.7	<11U	8.8HF	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	2.1	<11U	8.3HF	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	0.32J	<11U	8.3HF	<0.076U	<0.0069U	<0.0061U	<0.0056U	<0.0045U	<0.0069U	<0.48U	<0.0073U	<0.029U
SSHS-B917	1/18/2018	0-2	<0.26U	<11U	8.5HF	<0.076U	0.01J,p,F1,F2	<0.0061U	<0.0056U	<0.0045U,F1	0.0069U,F1,F	<0.48U	<0.0071U	<0.028U
SSHS-B918	1/18/2018	8-10	<0.3U	<12U	4.8HF	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	0.49J	<12U	9.2HF	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	1.4	<11U	9.4HF	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	0.67	<11U	8.6HF	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	<0.29U	<11U	8.4HF	-	-	-	-	-	-	-	-	-

Notes:

J - estimated value

U-non-detect

D - identified in an analysis at the dilution factor

-- not analyzed

µg/L - micrograms per liter

mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			SVOCs											
			1,4-dichlorobenzene	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-Dinitrotoluene	2-methylphenol	4-methylphenol	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Nitrobenzene	Pentachlorophenol	Pyridine
		Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.027	0.038	0.035	0.052	0.035	0.035	0.032	0.025	0.028	0.03	0.75	0.038
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.05U	<0.07U	<0.064U	<0.097U	<0.065U	<0.065U	<0.059U	<0.046U	<0.052U	<0.056U	<1.4U	<0.07U
SSHS-B849	1/22/2018	4-6	<0.13U	<0.18U	<0.17U	<0.25U	<0.17U	<0.17U	<0.15U	<0.12U	<0.14U	<0.14U	<3.6U	<0.18U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.052U	<0.072U	<0.066U	<0.1U	<0.067U	<0.067U	<0.061U	<0.048U	<0.054U	<0.058U	<1.4U	<0.073U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			SVOCs											
			1,4-dichlorobenzene	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-Dinitrotoluene	2-methylphenol	4-methylphenol	Hexachlorobenzene	Hexachlorobutadiene	Hexachloroethane	Nitrobenzene	Pentachlorophenol	Pyridine
		Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		EQL	0.027	0.038	0.035	0.052	0.035	0.035	0.032	0.025	0.028	0.03	0.75	0.038
Location	**Sample Date**	**Sample Depth Range (ft bgs)**												
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.5U	<0.69U	<0.63U	<0.96U	<0.64U	<0.64U	<0.58U	<0.46U	<0.52U	<0.55U	<14U,F1	<0.69U,F2
SSHS-B887	1/12/2018	4-6	<0.052U	<0.073U	<0.067U	<0.1U	<0.068U	<0.068U	<0.062U	<0.048U	<0.055U	<0.059U	<1.4U	<0.073U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.027U	<0.038U	<0.035U	<0.052U	<0.035U	<0.035U	<0.032U	<0.025U	<0.028U	<0.03U	<0.75U	<0.038U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.05U	<0.069U	<0.064U	<0.097U	<0.065U	<0.065U	<0.059U	<0.046U	<0.052U	<0.056U	<1.4U	<0.07U
SSHS-B890	1/22/2018	4-6	<0.049U	<0.068U	<0.063U	<0.095U	<0.063U	<0.064U	<0.058U	<0.045U	<0.052U	<0.055U	<1.4U	<0.069U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.5U	<0.69U	<0.64U	<0.97U	<0.64U	<0.65U	<0.59U	<0.46U	<0.52U	<0.56U	<14U	<0.7U
SSHS-B917	1/18/2018	0-2	<0.24U	<0.34U	<0.31U	<0.47U	<0.31U	<0.31U,F2	<0.28U	<0.22U	<0.25U	<0.27U	<6.7U,F1	<0.34U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			VOCs																
			1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-Dichloroethene	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-Dioxane	Methyl Ethyl Ketone	2-hexanone (MBK)
		Units	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	mg/kg	mg/kg
		EQL	0.0025	0.003	0.0024	0.0018	0.0029	0.0021	0.0016	0.0031	0.0027	0.004	0.0015	0.004	0.0025	0.0016	0.001	0.037	0.0029	0.0042
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.13U	<0.15U	<0.12U	<0.09U	<0.14U	<0.1U	<0.08U	<0.15U	<0.14U	<0.2U	<0.072U	<0.2U	<0.12U	<0.079U	<0.051U	<1.8U	<0.14U	<0.21U
SSHS-B849	1/22/2018	4-6	<0.0031U	<0.0037U	<0.003U	<0.0022U	<0.0035U	<0.0026U	<0.002U	<0.0038U	<0.0034U	<0.005U	<0.0018U	<0.0049U	<0.003U	<0.002U	<0.0013U	<0.045U	<0.0036U	<0.0052U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.0027U	<0.0032U	<0.0026U	<0.0019U	<0.003U	<0.0022U	<0.0017U	<0.0033U	<0.0029U	<0.0043U	<0.0015U	<0.0042U	<0.0026U	<0.0017U	<0.0011U	<0.039U	<0.0031U	<0.0044U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			VOCs																
			1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichlorobenzene	1,2-dichloroethane	1,2-Dichloroethene	1,2-dichloropropane	1,3-dichlorobenzene	1,4-dichlorobenzene	1,4-Dioxane	Methyl Ethyl Ketone	2-hexanone (MBK)
		Units	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	mg/kg	mg/kg
		EQL	0.0025	0.003	0.0024	0.0018	0.0029	0.0021	0.0016	0.0031	0.0027	0.004	0.0015	0.004	0.0025	0.0016	0.001	0.037	0.0029	0.0042
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.0025U	<0.003U	<0.0024U	<0.0018U	<0.0029U	<0.0021U	<0.0016U	<0.0031U	<0.0027U	<0.004U	<0.0015U	<0.004U	<0.0025U	<0.0016U	<0.001U	<0.037U,*	<0.0029U	<0.0042U
SSHS-B887	1/12/2018	4-6	<0.0028U	<0.0034U	<0.0027U	<0.002U	<0.0032U	<0.0023U	<0.0018U	<0.0035U	<0.0031U	<0.0046U	<0.0016U	<0.0045U	<0.0028U	<0.0018U	<0.0012U	<0.041U,*	<0.0033U	<0.0047U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.0029U	<0.0035U	<0.0028U	<0.0021U	<0.0033U	<0.0024U,*	<0.0019U,*	<0.0036U,*	<0.0032U	<0.0047U,*	<0.0017U	<0.0046U	<0.0029U	<0.0019U,*	<0.0012U,*	<0.043U	<0.0034U	<0.0049U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.0031U	<0.0036U	<0.0029U	<0.0022U	<0.0035U	<0.0025U	<0.002U	<0.0037U	<0.0033U	<0.0049U	<0.0018U	<0.0048U	<0.003U	<0.0019U	<0.0012U	<0.044U	<0.0035U	<0.0051U
SSHS-B890	1/22/2018	4-6	<0.0029U	<0.0034U	<0.0027U	<0.0021U	<0.0033U	<0.0024U	<0.0018U	<0.0035U	<0.0031U	<0.0046U	<0.0017U	<0.0045U	<0.0028U	<0.0018U	<0.0012U	<0.042U	<0.0033U	<0.0048U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.0028U	<0.0033U	<0.0027U	<0.002U	<0.0031U	<0.0023U	<0.0018U	<0.0034U	<0.003U	<0.0044U	<0.0016U	<0.0044U	<0.0027U	<0.0018U	<0.0011U	<0.04U	<0.0032U	<0.0046U
SSHS-B917	1/18/2018	0-2	<0.0026U	<0.0031U	<0.0025U	<0.0019U	<0.003U	<0.0022U	<0.0017U	<0.0032U	<0.0029U	<0.0042U	<0.0015U	<0.0042U	<0.0026U	<0.0017U	<0.0011U	<0.038U	<0.003U	<0.0044U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			VOCs																	
			4-Methyl-2-pentanone	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Cyclohexane	Dichlorodifluoromethane
		Units	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	mg/kg	mg/kg
		EQL	0.0019	0.0032	0.002	0.0019	0.0024	0.0026	0.0045	0.003	0.0033	0.0016	0.0024	0.0026	0.0021	0.0039	0.0016	0.0016	0.0012	0.0029
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.092U	<0.16U	<0.098U	<0.096U	<0.12U	<0.13U	<0.22U	<0.15U	<0.17U	<0.078U	<0.12U	<0.13U	<0.11U	<0.19U	<0.078U	<0.08U	<0.061U	<0.15U
SSHS-B849	1/22/2018	4-6	<0.0023U	0.014J	<0.0024U	<0.0024U	<0.0029U	<0.0032U	<0.0055U	<0.0037U	<0.0041U	<0.0019U	<0.003U	<0.0032U	<0.0026U	<0.0048U	<0.0019U	<0.002U	<0.0015U	<0.0036U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.002U	0.0061J	<0.0021U	<0.002U	<0.0025U	<0.0028U,*	<0.0048U	<0.0032U	<0.0035U	<0.0017U	<0.0026U	<0.0027U	<0.0022U	<0.0041U	<0.0017U	<0.0017U	<0.0013U	<0.0031U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			VOCs																	
			4-Methyl-2-pentanone	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Cyclohexane	Dichlorodifluoromethane
		Units	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	mg/kg	mg/kg
		EQL	0.0019	0.0032	0.002	0.0019	0.0024	0.0026	0.0045	0.003	0.0033	0.0016	0.0024	0.0026	0.0021	0.0039	0.0016	0.0016	0.0012	0.0029
Location	**Sample Date**	**Sample Depth Range (ft bgs)**																		
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.0019U	<0.0032U	<0.002U	<0.0019U	<0.0024U	<0.0026U	<0.0045U	<0.003U	<0.0033U	<0.0016U	<0.0024U	<0.0026U	<0.0021U	<0.0039U	<0.0016U	<0.0016U	<0.0012U	<0.0029U
SSHS-B887	1/12/2018	4-6	<0.0021U	0.16 - 0.005J,	<0.0022U	<0.0022U	<0.0027U	<0.003U	<0.0051U	<0.0034U	<0.0038U	<0.0018U	<0.0027U	<0.0029U	<0.0024U	<0.0044U	<0.0018U	<0.0018U	<0.0014U	<0.0033U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.0022U	<0.0037U	<0.0023U	<0.0022U	<0.0027U	<0.003U	<0.0052U	<0.0035U	<0.0039U	<0.0018U	<0.0028U	<0.003U	<0.0025U	<0.0045U	<0.0018U	<0.0019U	<0.0014U	<0.0034U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.0023U	<0.0038U	<0.0024U	<0.0023U	<0.0029U	<0.0032U	<0.0055U	<0.0037U	<0.004U	<0.0019U	<0.0029U	<0.0031U	<0.0026U	<0.0047U	<0.0019U	<0.0019U	<0.0015U	<0.0035U
SSHS-B890	1/22/2018	4-6	<0.0021U	<0.0036U	<0.0022U	<0.0022U	<0.0027U	<0.003U	<0.0051U	<0.0034U	<0.0038U	<0.0018U	<0.0027U	<0.003U	<0.0024U	<0.0044U	<0.0018U	<0.0018U	<0.0014U	<0.0033U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.0021U	<0.0035U	<0.0022U	<0.0021U	<0.0026U	<0.0029U,*	<0.005U	<0.0033U	<0.0037U	<0.0017U	<0.0027U	<0.0029U	<0.0023U	<0.0043U	0.0022J	<0.0018U	<0.0013U	<0.0032U
SSHS-B917	1/18/2018	0-2	<0.0019U	<0.0033U	<0.002U	<0.002U	<0.0025U	<0.0027U,*	<0.0047U	<0.0031U	<0.0035U	<0.0016U	<0.0025U	<0.0027U	<0.0022U	<0.004U	<0.0016U	<0.0017U	<0.0013U	<0.003U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot
Former Sperry Remington Site - North
Elmira, New York

			VOCs									VOCs					
			Dichloromethane	Ethylbenzene	Isopropylbenzene	Methyl-tert-butyl ether	Styrene	Trichloroethene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichlorofluoromethane	Vinyl chloride	Xylene (m & p)	Xylene (o)	Xylene Total
		Units	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
		EQL	0.0024	0.0022	0.0023	0.0037	0.0013	0.0016	0.002	0.0017	0.0026	0.0017	0.0015	0.0037	0.0019	0.0025	0.0043
Location	**Sample Date**	**Sample Depth Range (ft bgs)**															
SSHS-B830	1/23/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B836	1/12/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B839	1/18/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B841	1/20/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B844	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B845	1/24/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B846	1/11/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B847	1/20/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B849	1/22/2018	2-4	<0.12U	<0.11U	<0.12U	<0.18U	<0.066U	0.54	<0.1U	<0.084U	<0.13U	<0.086U	<0.073U	<0.18U	<0.093U	<0.12U	<0.21U
SSHS-B849	1/22/2018	4-6	<0.0029U	<0.0027U	<0.0029U	<0.0045U	<0.0016U	<0.0019U	<0.0025U	<0.0021U	<0.0031U	<0.0021U	<0.0018U	<0.0045U	<0.0023U	<0.003U	<0.0053U
SSHS-B851	1/18/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B852	1/19/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B856	1/17/2018	2-4	<0.0025U	<0.0023U	<0.0025U	<0.0039U	<0.0014U	0.028	<0.0021U	<0.0018U	<0.0027U	<0.0018U	<0.0015U	<0.0039U	<0.002U	<0.0026U	<0.0046U
SSHS-B865	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B866	1/12/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B873	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B874	1/20/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B875	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/22/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B876	1/24/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B877	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B879	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 4B
Summary of Waster Characterization Results - Total Constituents
Rear Parking Lot

			VOCs									VOCs					
			Dichloromethane	Ethylbenzene	Isopropylbenzene	Methyl-tert-butyl ether	Styrene	Trichloroethene	Tetrachloroethene	Toluene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichlorofluoromethane	Vinyl chloride	Xylene (m & p)	Xylene (o)	Xylene Total
Units			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
EQL			0.0024	0.0022	0.0023	0.0037	0.0013	0.0016	0.002	0.0017	0.0026	0.0017	0.0015	0.0037	0.0019	0.0025	0.0043
Location	**Sample Date**	**Sample Depth Range (ft bgs)**															
SSHS-B881	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B882	1/12/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B883	1/20/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B884	1/11/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B885	1/17/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B886	1/19/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B887	1/12/2018	0-2	<0.0024U	<0.0022U	<0.0023U	<0.0037U	<0.0013U	081 - 0.0024	<0.002U	<0.0017U	<0.0026U	<0.0017U	<0.0015U	<0.0037U	<0.0019U	<0.0025U	<0.0043U
SSHS-B887	1/12/2018	4-6	<0.0027U	<0.0024U	<0.0026U	<0.0042U	<0.0015U	<0.0017U	<0.0023U	<0.0019U	<0.0029U	<0.002U	<0.0016U	<0.0041U	<0.0021U	<0.0028U	<0.0049U
SSHS-B887	1/24/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B888	1/22/2018	2-4	<0.0027U	<0.0025U	<0.0027U	<0.0043U	<0.0016U	<0.0017U	<0.0023U	<0.002U	<0.003U	<0.002U	<0.0017U	<0.0043U	<0.0022U	<0.0028U	<0.005U
SSHS-B888	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B890	1/22/2018	2-4	<0.0029U	<0.0026U	<0.0028U	<0.0045U	<0.0016U	<0.0018U	<0.0024U	0.0028J	<0.0031U	<0.0021U	<0.0018U	<0.0045U	0.0074	<0.003U	0.0074J
SSHS-B890	1/22/2018	4-6	<0.0027U	<0.0025U	<0.0026U	<0.0042U	<0.0015U	<0.0017U	<0.0023U	<0.0019U	<0.0029U	<0.002U	<0.0017U	<0.0042U	<0.0021U	<0.0028U	<0.0049U
SSHS-B890	1/23/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B892	1/17/2018	10-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B905	1/17/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B906	1/24/2018	6-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/23/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B913	1/22/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B916	1/16/2018	0-2	<0.0026U	<0.0024U	<0.0026U	<0.0041U	<0.0015U	0.016	<0.0022U	<0.0019U	<0.0028U	<0.0019U	<0.0016U	<0.0041U	<0.0021U	<0.0027U	<0.0048U
SSHS-B917	1/18/2018	0-2	<0.0025U	<0.0022U	<0.0024U	<0.0038U	<0.0014U	<0.0016U	<0.0021U	<0.0018U	<0.0026U	<0.0018U	<0.0015U	<0.0038U	<0.002U	<0.0026U	<0.0045U
SSHS-B918	1/18/2018	8-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B920	1/16/2018	2-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B923	1/11/2018	4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B928	1/11/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSHS-B930	1/16/2018	0-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
J - estimated value
U-non-detect
D - identified in an analysis at the dilution factor
-- not analyzed
µg/L - micrograms per liter
mg/kg - milligram per kilogram

TABLE 5
Summary of Proposed Soil Sampling
Former Sperry Remington Site - North Portion
Elmira, New York

Sample Locations	Depth Interval						
	Shallow 0 to 2 ft bgs	Sub 1 2 to 4 ft bgs	Sub 2 4 to 6 ft bgs	Sub 3 6 to 8 ft bgs	Sub 4 8 to 10 ft bgs	Sub 5 10 to 12 ft bgs	Sub 6 12 to 14 ft bgs
SSHS-B949		VG	H				
SSHS-B950		VG	H	H	H	H	
SSHS-B951		VG	H				
SSHS-B952				VG	H	VG	
SSHS-B953				VG	H	H	VG
SSHS-B954				VG	H		H
SSHS-B955		DG	H(WC)	DG	H		
SSHS-B956				DG	H	H	
SSHS-B957				DG	H	H	H
SSHS-B958				VG		VG	
SSHS-B959		VG	H	DG	VG	H	
SSHS-B960		DG	H		VG		
SSHS-B961					VG	H	
SSHS-B962					VG	H	
SSHS-B963			DG	H	VG	H	
SSHS-B964					DG	VG	
SSHS-B965				(WC)	DG	H	
SSHS-B966						(WC)	VG
SSHS-B967		VG	H	H	H	H	
SSHS-B968		VG	H				
SSHS-B969							
SSHS-B970			VG	H			
SSHS-B971		DG	H				
SSHS-B972			VG	H			
SSHS-B973			VG	DG	DG	DG	VG
SSHS-B974			VG	H			
SSHS-B975	(WC)		VG	H		H	H
SSHS-B976				VG			
SSHS-B977			VG	DG	DG	DG	VG
SSHS-B978				VG	H	DG	H
SSHS-B979						DG	H
SSHS-B980				H			VG
SSHS-B981		DG	DG	H	DG	DG	DG
SSHS-B982		DG	H				
SSHS-B983		DG	H				
SSHS-B984			VG	H			
SSHS-B985			DG	H			
SSHS-B986		(WC)		VG	H	H	VG
SSHS-B987					VG	H	
SSHS-B988					VG	H	
SSHS-B989					VG	H	
SSHS-B990					VG	H	
SSHS-B991					VG	H	
SSHS-B992					VG	H	
SSHS-B993						DG	DG
SSHS-B994			DG	H	H	DG	H
SSHS-B995	DG					H	H
SSHS-B996				H	H	H	
SSHS-B997							
SSHS-B998					H	H	H
SSHS-B999						H	H
SSHS-B1000						H	H
SSHS-B1001						H	H

Notes:
ft bgs - feet below ground surface
DG - horizontal data gap sample
VG - vertical data gap sample
H -hold for PCB analysis
(WC) - Waste characterization sample

Waste characterization samples include: pH, cyanide, sulfide, flash point, TCLP metals, TCLP VOCs, TCLP SVOCs, and TCLP herbicide/pesticides.

ATTACHMENT 1

SOIL BORING LOGS

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BORING B828

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/14
NORTHING 753795.7201 ft **EASTING** 762666.8211 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B828-SUB-0-2 @ 14:00		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, tan brown	0.1
2.5		SSHS-B828-SUB-2-4 @ 14:05		Becomes low plasticity	0.1
				No recovery	
5.0		SSHS-B828-SUB-4-6 @ 14:10		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, and black shiny material (ash), moist, dark brown, low plasticity	0.3
				No recovery	
7.5				Bottom of borehole at 6.0 feet.	

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BORING B829

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753777.5935 ft **EASTING** 762524.4231 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B829-SUB-0-2		Loose, SILTY SAND WITH GRAVEL, SAND, with silt, and fine gravel, dry, dark brown, non plastic	
				Loose, SILTY GRAVEL, fine to coarse gravel, with silt, dry, yellow tan	3.1
				No recovery	
				Medium dense, SAND, with fine gravel, and fine sand, moist, tan brown	
2.5				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to coarse gravel, dry to moist, orange brown, low plasticity	2.5
		SSHS-B829-SUB-2-4			4.1
				Becomes moist, increasing sand to silt	
				No recovery	
5.0		SSHS-B829-SUB-4-6			7.3 5.0
				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to coarse gravel, moist, orange brown	
				Red brick	
		SSHS-B829-SUB-6-8		Loose, WELL GRADED SAND WITH GRAVEL, medium to coarse sand, with fine to coarse gravel, moist, brown	1.3
7.5				No Recovery	7.5

Bottom of borehole at 8.0 feet.

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BORING B830

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753839.7029 ft **EASTING** 762575.7157 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		49 ppm SSHS-B880-SUB-0-2 @ 14:45		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, dry to moist, yellow to tan	1.4
				Medium stiff, SANDY SILT WITH GRAVEL, dry, dark brown	
2.5		175 ppm SSHS-B880-SUB-2-4 @ 14:50			4.1
				No recovery Note: Hit refusal @ 4 ft bg, no sample collected	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B830 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753839.7029 ft **EASTING** 762575.7157 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0		34 ppm SSHS-B830-SUB-4-6		POORLY GRADED SAND, and black shiny material (ash), fine to medium grained, dark brown with black, crushed red brick, wood, and black staining	31.8
		28 ppm SSHS-B830-SUB-6-8		Staining, yellow and red brick present	
7.5				Stiff, SILT WITH GRAVEL, moist, dark brown to black, non plastic, brick present	58.2
				Bottom of borehole at 8.0 feet.	

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BORING B831

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753810.7004 ft **EASTING** 762536.3227 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B831-SUB-0-2 @ 9:45		Loose, WELL GRADED SAND, fine to coarse sand, with fine to coarse gravel, dry, light tan brown	7.2
2.5		SSHS-B831-SUB-2-4 @ 9:50		Medium dense, SANDY SILT WITH GRAVEL, some clay, with sand, fine to coarse gravel, dark yellow brown, brick and black shiny material present	2.4
5.0		SSHS-B831-SUB-4-6 @ 9:55		Medium dense, SANDY SILT WITH GRAVEL, some clay, with sand, fine to coarse gravel, dark yellow brown, hydrocarbon odor	4.7
		SSHS-B831-SUB-6-8 @ 10:00			16.8
7.5				Dense, SANDY SILT WITH GRAVEL, coarse gravel, with silt, moist, dark brown, strong hydrocarbon odor	
				Loose, WELL GRADED GRAVEL WITH SILT, medium to coarse gravel, with silt, dry to moist, dark brown	
		SSHS-B831-SUB-8-10 @ 10:05		LEAN CLAY WITH SAND, moist, dark brown, high plasticity, hydrocarbon odor	98
				Loose, WELL GRADED GRAVEL, fine to coarse grained, dry, light gray	

Bottom of borehole at 10.0 feet.

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BORING B832

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753832.8066 ft **EASTING** 762547.5595 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		< 1 ppm SSHS-B832-SUB-0-2		Stiff, SILT, dry to moist, brown, (TOPSOIL) roots present and grass	
				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine gravel, dry to moist, light brown	1.2
				No recovery	
2.5		114 ppm SSHS-B832-SUB-2-4		SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine sand, dry to moist, gray brown, non plastic	2
		1.1 ppm SSHS-B832-SUB-4-6		WELL GRADED SAND WITH GRAVEL, some black shiny material (ash), dry to moist, dark gray, brick present	3.8
5.0				Stiff, SILTY GRAVEL, fine to coarse gravel, with silt, moist, dark brown with gray, low plasticity	
		SSHS-B832-SUB-6-8		Red brick	
7.5				Stiff, GRAVELLY SILT WITH SAND, SILT, with coarse gravel, and coarse sand, moist, dark brown, non plastic	1.3
				Bottom of borehole at 8.0 feet.	

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BORING B833

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753906.9403 ft **EASTING** 762703.3893 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dry, light gray to gray, Asphalt	
				Loose, SILTY SAND WITH GRAVEL, fine to coarse sand, with fine gravel, dry to moist, dark brown to black	
		SSHS-B833-SUB-0-2 @ 13:30		Medium dense, SILTY GRAVEL WITH SAND, fine sand, with fine to coarse gravel, dry, light tan to brown, @ 23" black fabric present	0.7
2.5		SSHS-B833-SUB-2-4 @ 13:35		Medium dense, WELL GRADED SAND WITH CLAY, fine to medium sand, with clay, yellow brown, low plasticity	0.4
				SILTY GRAVEL WITH SAND, coarse gravel, with fine sand, dry to moist, yellow brown	
				Medium dense, CLAYEY SAND WITH GRAVEL, fine sand, with coarse gravel, moist, brown	
5.0		SSHS-B833-SUB-4-6 @ 13:40			0.3
				Medium dense, POORLY GRADED SAND, medium sand, some fine gravel, dry to moist, brown	
				No recovery	
				Loose, dry to moist, brown	
		SSHS-B833-SUB-6-8 @ 13:45		Medium dense, WELL GRADED GRAVEL WITH CLAY, coarse gravel, with clay, dry to moist, brown, medium plasticity	0.4
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B834

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753803.1118 ft **EASTING** 762612.1001 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		81 ppm SSHS-B834-SUB-0-2 @ 11:40		Soft, SANDY SILT WITH GRAVEL, fine to coarse gravel, moist, dark brown, low plasticity	5.4
				Becomes wet	
2.5		28 ppm SSHS-B834-SUB-2-4 @ 11:45		Dense, SILTY GRAVEL WITH SAND, fine to coarse sand, moist, dark brown, non plastic Red brick	6.4
				No recovery	
		3.1 ppm SSHS-B834-SUB-4-6 @ 11:50		Dense, SILTY GRAVEL WITH SAND, fine to coarse sand, moist, dark brown, non plastic, with red brick	
5.0				Dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to coarse gravel, moist, dark brown, low plasticity	4.8
		SSHS-B834-SUB-6-8 @ 11:55		Loose, SILTY GRAVEL WITH SAND, with black shiny material (ash), wet, dark brown, some brick	7
7.5				Becomes loose, wet	
		SSHS-B834-SUB-8-10 @ 12:00		No recovery	4.1

Bottom of borehole at 10.0 feet.

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BORING B835

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753817.1767 ft **EASTING** 762634.6132 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B835-SUB-0-2		Loose, WELL GRADED SAND WITH GRAVEL, fine to coarse sand, with fine gravel, dry, dark brown with tan	4.6
2.5		SSHS-B835-SUB-2-4		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, some black shiny material (ash), dry, dark brown to tan, brick present	5.3
				Red brick	
5.0		SSHS-B835-SUB-4-6		WELL GRADED GRAVEL WITH SILT AND SAND, dry, light gray	1.3
				No recovery	
				Red brick	
		SSHS-B835-SUB-6-8		Medium dense, SANDY LEAN CLAY WITH GRAVEL, fine to coarse gravel, moist, dark brown	1.2
7.5				No recovery	

Bottom of borehole at 8.0 feet.

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BORING B836

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753821.1695 ft **EASTING** 762601.5129 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		206 ppm SSHS-B836-SUB-0-2		Asphalt	
				Medium dense, WELL GRADED SAND WITH GRAVEL, fine gravel, dry to moist, brown	
				SILTY SAND WITH GRAVEL, moist, dark brown, non plastic, glass present	32.8
2.5		18 ppm SSHS-B836-SUB-2-4		Medium dense, SILTY GRAVEL, dry to moist, light tan, brick present	30.3
				No recovery	
5.0		13 ppm SSHS-B836-SUB-4-6		SANDY SILT WITH GRAVEL, moist, dark brown, brick present, appears to be locally stained	12.5
		15 ppm SSHS-B836-SUB-6-8		SILTY GRAVEL WITH SAND, fine to coarse grained, moist to wet, dark brown, non plastic, hydrocarbon odor	16.9
7.5				Red brick	
				Bottom of borehole at 8.0 feet.	

PAULS BH / TP / WELL - DEFAULT.GDT - 2/23/18 16:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA_TRIAL_EKB_RE\ELMIRA - MN0832.GPJ

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BORING B837

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753799.5357 ft **EASTING** 762583.4617 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B837-SUB-0-2 @ 12:40		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, moist, tan brown	2.9
				Loose, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, moist, dark brown	
2.5		SSHS-B837-SUB-2-4 @ 12:45		Loose, WELL GRADED GRAVEL WITH SAND, fine to coarse sand, moist, tan gray	3.3
				Stiff, SILT WITH GRAVEL, coarse gravel, dry to moist, dark brown	
		SSHS-B837-SUB-4-6 @ 12:50		SILTY SAND, moist, dark brown, soil appears stained with some red brick and slight hydrocarbon odor	8.4
5.0				No recovery Note: refusal at 6 ft	
				Bottom of borehole at 6.0 feet.	
7.5					

PAULS BH / TP / WELL - DEFAULT.GDT - 2/23/18 16:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA_TRIAL_EKB_RE\ELMIRA - MN0832.GPJ

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BORING B838

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753721.3075 ft **EASTING** 762563.8194 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		< 1 ppm SSHS-B838-SUB-0-2		Medium dense, WELL GRADED SAND WITH GRAVEL, fine to coarse gravel, dry, tan brown, non plastic	0.5
				Dense, SILT WITH GRAVEL, sand, with coarse gravel, dry to moist, dark brown, low plasticity	
2.5		40 ppm SSHS-B838-SUB-2-4		Medium dense, SILT WITH GRAVEL, silt, with fine to coarse gravel, dark tan to black, low plasticity, slight hydrocarbon odor	0.7
		89 ppm SSHS-B838-SUB-4-6		Medium dense, SILTY GRAVEL WITH SAND, coarse gravel, with silt, and fine to coarse sand, dry, tan to brown, non plastic	0.8
5.0				Soft, SANDY SILT, dry, tan to brown	
		5.5 ppm SSHS-B838-SUB-6-8		Dense, SILTY GRAVEL, fine to coarse gravel, with silt, and black shiny material (ash), dark brown to tan, (shiny black material is present in lower 5")	1.1
7.5				SILT WITH SAND, fine to coarse sand, and black shiny material (ash), dark brown	
		SSHS-B838-SUB-8-10		Loose, SILTY GRAVEL, dark brown, non plastic	0.8
				No recovery	

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BORING B838

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B838-SUB-10-12		Loose, SILT WITH GRAVEL, fine to coarse gravel, dry, dark brown	0.7
				No recovery	
12.5		SSHS-B838-SUB-12-14		Loose, SILTY GRAVEL, coarse gravel, with silt, wet, brown, Note: Moisture is interpreted to represent the water table	0.8
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B839

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753667.7971 ft **EASTING** 762643.2451 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B839-SUB-0-2 @ 14:45		Loose, WELL GRADED SAND, dry to moist, brown	1.7
				Stiff, SANDY SILT, with black shiny material (ash), moist, dark brown, low plasticity	
2.5		SSHS-B839-SUB-2-4 @ 15:10		SILTY SAND, little gravel, with black shiny material (ash), dark brown, and brick present in matrix	1.4
				Stiff, SILT WITH SAND, with black shiny material (ash), moist, brown, and brick	
5.0		SSHS-B839-SUB-4-6 @ 15:15		Stiff, SANDY SILT WITH GRAVEL, and black shiny material (ash), dry, yellow and black, non plastic	1.1
		SSHS-B839-SUB-6-8 @ 15:20		Becomes with black shiny material (ash)	1.3
7.5				SILT, few gravel, with black shiny material (ash), orange yellow, low plasticity	
		< 1 ppm SSHS-B839-SUB-8-10 @ 15:25		Dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, moist, orange yellow, low plasticity	0.4

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BORING B839

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		53 ppm SSHS-B839-SUB-10-12 @ 15:30		SILT WITH SAND, and black shiny material (ash), dry to moist, dark brown, non plastic	
				Loose, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to coarse gravel, dry to moist, orange yellow, low plasticity	0.7
				No recovery	
12.5		3 ppm SSHS-B839-SUB-12-14 @ 15:35		Medium dense, SILTY GRAVEL, fine to coarse gravel, wet, orange brown, low plasticity	1.7
				No recovery	
				Bottom of borehole at 14.0 feet.	

10.0

12.5

15.0

17.5

20.0

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BORING B840

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753657.9776 ft **EASTING** 762703.9536 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
	40	SSHS-B840-SUB-0-2 @ 8:50		WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, with black shiny material (ash), moist, tan brown, and brick	0.8
				Medium stiff, SANDY SILT, with black shiny material (ash), dark black	
2.5	370 ppm	SSHS-B840-SUB-2-4 @ 8:55		Loose, SILTY GRAVEL, dry, light gray, and crushed concete	0.8
				Medium dense, SILTY SAND, with black shiny material (ash), dry to moist, dark gray to black, low plasticity, and crushed brick	
	25	SSHS-B840-SUB-4-6 @ 9:00		Dense, SILTY GRAVEL WITH SAND, fine to coarse sand, with black shiny material (ash), moist, dark brown gray, low plasticity, and crushed red brick	0.3
5.0				SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), moist, orange with black, low plasticity	
				No recovery	
	1.3 ppm	SSHS-B840-SUB-6-8 @ 9:05		SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), moist, orange with black, low plasticity	
				Stiff, SANDY SILT, moist, brown, non plastic	0.4
7.5				No recovery	
	< 1 ppm	SSHS-B840-SUB-8-10 @ 9:10		Stiff, SANDY SILT WITH GRAVEL, coarse gravel, dry to moist, orange, non plastic	
				Dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, orange, non plastic	0.3

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BORING B840

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		4 ppm		Becomes black shiny material (ash), low plasticity	
		SSHS-B840-SUB-10-12 @ 9:15		Medium dense, SILTY GRAVEL WITH SAND, coarse gravel, dry to moist, brown orange, low plasticity, with red brick	0.8
12.5				Loose, SILTY SAND, fine to coarse grained, wet, brown	
		SSHS-B840-SUB-12-14 @ 9:20		Medium dense, WELL GRADED GRAVEL WITH SILT, fine to coarse gravel, moist, orange brown	0.3
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

10.0

12.5

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BORING B841

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753676.1108 ft **EASTING** 762742.2737 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		29 ppm SSHS-B841-SUB-0-2 @ 8:10		Medium dense, WELL GRADED SAND WITH SILT, fine gravel, dry to moist, brown, with brick	1.4
2.5		73 ppm SSHS-B841-SUB-2-4 @ 8:15		Soft, SILT WITH SAND, black shiny material (ash), dry to moist, black, non plastic, black shiny material is primary soil component Soft, SANDY SILT, with black shiny material (ash), tan brown, non plastic, and brick	1
				No recovery	
		69 ppm SSHS-B841-SUB-4-6 @ 8:20		Soft, SANDY SILT, dark tan and brown Soft, with black shiny material (ash), dry to moist, black, and brick	1.3
5.0				No recovery	
		< 1 ppm SSHS-B841-SUB-6-8 @ 8:25		Fine to coarse gravel, moist, orange yellow, low plasticity	1.9
7.5				Becomes and black shiny material (ash)	
		2.1 ppm SSHS-B841-SUB-8-10 @ 8:30		Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse sand, dry to moist, orange, non plastic	1

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BORING B841

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No recovery	
		SSHS-B841-SUB-10-12 @ 8:35		Becomes some black shiny material (ash), and brick	1.3
				No recovery	
12.5		SSHS-B841-SUB-12-14 @ 8:40		Loose, SILTY GRAVEL WITH SAND, wet, orange brown, non plastic	
				Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, moist, orange, low plasticity	1.5
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B842

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753686.5865 ft **EASTING** 762585.0956 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		24 ppm SSHS-B842-SUB-0-2		Loose, WELL GRADED SAND WITH GRAVEL, moist, brown	2.9
				SILTY SAND WITH GRAVEL, moist, dark brown	
2.5		67 ppm SSHS-B842-SUB-2-4		SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), moist, dark brown to black, brick present	3.1
				No recovery	
		8 ppm SSHS-B842-SUB-4-6		SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), moist, dark brown to black, brick present	
5.0				Stiff, SILT WITH GRAVEL, fine gravel, dry to moist, dark brown to brown, non plastic	8.9
		36 ppm SSHS-B842-SUB-6-8		WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, dry to moist, light brown to brown, crushed brick present	
				SILTY SAND WITH GRAVEL, fine sand, with silt, and coarse gravel, black, soil appears stained and contains brick	3.8
7.5				No recovery	
		6 ppm SSHS-B842-SUB-8-10		SILTY SAND WITH GRAVEL, fine sand, with silt, and coarse gravel, moist, dark brown, soil appears stained	
				Loose, WELL GRADED GRAVEL WITH SAND, moist, dark brown	
				Stiff, SILT WITH GRAVEL, moist, dark brown, non plastic	2.7

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BORING B842

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		9.5 ppm SSHS-B842-SUB-10-12		Non plastic SANDY SILT, dry to moist, dark brown	
				Medium dense, SILTY SAND WITH GRAVEL, fine to medium sand, with silt, and coarse gravel, dry to moist, brown	3.5
				No recovery	
				SANDY SILT, dry to moist, dark brown, non plastic	
				Loose, POORLY GRADED GRAVEL WITH SAND, fine gravel, dry to moist, orange brown	
12.5				SANDY SILT, dry to moist, dark brown, non plastic	12.5
		SSHS-B842-SUB-12-14		Medium dense, WELL GRADED GRAVEL WITH SILT, fine to coarse gravel, with silt, and fine to coarse sand, dry to moist, orange brown	5.2
				No recovery	

Bottom of borehole at 14.0 feet.

15.0
17.5
20.0

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BORING B843

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753662.5445 ft **EASTING** 762585.1776 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	
0.0		Asphalt	
		Medium dense, WELL GRADED SAND WITH SILT, fine to coarse gravel, dry to moist, brown, few brick	
		Soft, SANDY SILT WITH GRAVEL, dry, brown	26 ppm
2.5		SANDY LEAN CLAY WITH GRAVEL, fine gravel, moist, dark brown	
		No recovery	
		Stiff, SANDY SILT WITH GRAVEL, coarse gravel, moist, dark brown, non plastic	208 ppm
5.0		Medium dense, SILTY SAND WITH GRAVEL, moist, dark brown, soil appears stained	
		No recovery	
		SILT WITH SAND, moist, dark brown, low plasticity, soil appears to be stained	
		Soft, SILT, with black shiny material (ash), dry to moist, dark black, non plastic	27 ppm
7.5		Becomes black shiny material is primary composition	12 ppm

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BORING B843

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
10.0		Dark black, non plastic, primarly black shiny material (interpreted to be coal), size is sand to silt, hydrocarbon odor
		No recovery
		Bottom of borehole at 12.0 feet.

8 ppm

12.5
15.0
17.5
20.0

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BORING B844

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753642.4068 ft **EASTING** 762595.6041 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B844-SUB-0-2 @ 14:20		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, SAND, with silt, and fine gravel, few black shiny material (ash), dry to moist, brown, and red brick	3.5
	29	SSHS-B844-SUB-2-4 @ 14:25		Soft, SANDY SILT, dry to moist, dark brown	
2.5	ppm			Loose, WELL GRADED GRAVEL WITH SAND, fine to medium gravel, with fine to medium sand, brown gray, some brick	2.2
				No recovery	
	15	SSHS-B844-SUB-4-6 @ 14:30		Dense, CLAYEY GRAVEL WITH SAND, coarse sand, with clay, and fine to coarse gravel, wet, dark brown gray, medium plasticity, some crushed red brick	
5.0	ppm			Medium dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and coarse sand, dry to moist, brown	1.2
	18	SSHS-B844-SUB-6-8 @ 14:35		SANDY SILT, with black shiny material (ash), black, soil appears stained	1.2
7.5	ppm			No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B845

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753785.5298 ft **EASTING** 762725.0329 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B845-SUB-0-2 @ 13:15		Loose, WELL GRADED SAND WITH SILT AND GRAVEL, dry to moist, light tan to brown, with brick present	0.4
2.5				Medium dense, WELL GRADED SAND WITH SILT, and black shiny material (ash), dark red with black, soil appears stained and contains brick	
				No recovery	
				Appears there is a void, no recovery or resistance	
5.0					
7.5					
		SSHS-B845-SUB-8-10 @ 13:30		Loose, POORLY GRADED SAND WITH GRAVEL, few coarse gravel, moist, dark brown, concrete with black shiny material and possibly slag	9.1
				No recovery	

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BORING B845

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		< 1 ppm SSHS-B845-SUB-10-12 @ 13:35		Dense, SILTY GRAVEL WITH SAND, coarse gravel, moist, dark brown, low plasticity, some foreign material with slag and hydrocarbon odor	19.5
				No recovery	
12.5		SSHS-B845-SUB-12-14 @ 13:40		Loose, SILTY SAND, coarse sand, wet, dark brown, low plasticity, hydrocarbon odor	63.1
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B845 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/24/18 **COMPLETED** 1/24/18
NORTHING 753785.5298 ft **EASTING** 762725.0329 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5				Medium dense, WELL GRADED SAND WITH GRAVEL, moist, brown	
5.0		SSHS-B845-SUB-4-6		Stiff, SANDY SILT, and black shiny material (ash), moist, red brown, gray shiny material	2.6
				Dense, WELL GRADED SAND WITH SILT, and black shiny material (ash), dry to moist, gray brown, crushed yellow brick	
				Medium stiff, LEAN CLAY WITH GRAVEL, CLAY, with fine to coarse gravel, moist, brown	
		SSHS-B845-SUB-6-8		Loose, WELL GRADED SAND WITH SILT, dry, brown	1.2
7.5				Concrete	
				Stiff, SILT, moist, dark tan brown, non plastic	
				Bottom of borehole at 8.0 feet.	

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BORING B846

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753763.2858 ft **EASTING** 762708.1465 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B846-SUB-0-2 @ 8:45		Loose, WELL GRADED SAND, moist, light yellow brown	3.2
				Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, moist, dark brown, some brick and black shiny material	
				No recovery	
2.5		SSHS-B846-SUB-2-4 @ 8:50		Dense, WELL GRADED SAND WITH SILT AND GRAVEL, moist, dark brown, crushed yellow-orange brick	0.8
				Medium dense, dry to moist, burnt orange crushed brick	
				No recovery	
				Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, moist, dark brown	
				Loose, WELL GRADED SAND, wet, dark orange brown, with orange and red brick fragments	
5.0		SSHS-B846-SUB-4-6 @ 8:55		Loose, WELL GRADED SAND WITH SILT, moist, brown	1.9
				No recovery	
		SSHS-B846-SUB-6-8 @ 9:00		Stiff, SILT, dry to moist, dark brown, non plastic	0.8
				Becomes green gray	
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B846 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753763.2858 ft **EASTING** 762708.1465 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0		SSHS-B846-SUB-4-6 @ 08:45		Loose, WELL GRADED SAND, fine to coarse grained, moist, dark red brown, soil appears to be locally discolored white and stained with abundant salg, brick, and metal fragements	1.6
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B847

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753770.7694 ft **EASTING** 762618.3238 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
	24	SSHS-B847-SUB-0-2 @ 10:10 ppm		Medium dense, WELL GRADED SAND, fine to coarse grained, moist, brown	1.2
				SANDY SILT WITH GRAVEL, black shiny material (ash), dark brown, soil appears stained with black shiny material in matrix and red crushed brick	
2.5	72	SSHS-B847-SUB-2-4 @ 10:15 ppm		Loose, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, dry to moist, tan brown, low plasticity	1.6
				No recovery	
	97	SSHS-B847-SUB-4-6 @ 10:20 ppm		Loose, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, dry to moist, tan brown, low plasticity	
				Dense, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse grained, moist, dark brown, with crushed red brick	0.7
5.0				No recovery	
	26	SSHS-B847-SUB-6-8 @ 10:25 ppm		Medium dense, SILTY SAND WITH GRAVEL, fine gravel, moist, dark brown	
				No recovery	0.8
7.5				Bottom of borehole at 8.0 feet.	

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BORING B848

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753663.9946 ft **EASTING** 762571.4571 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B848-SUB-0-2 @ 14:40		Loose, WELL GRADED SAND WITH GRAVEL, moist, brown	0.4
2.5		13 ppm SSHS-B848-SUB-2-4 @ 14:45		Medium dense, SILTY GRAVEL WITH SAND, fine to coarse sand, gray brown, low plasticity	0.6
				SILTY SAND WITH GRAVEL, dark brown to black, low plasticity	
				Stiff, SANDY SILT WITH GRAVEL, fine gravel, dry to moist, dark brown	
5.0		SSHS-B848-SUB-4-6 @ 14:50		Loose, SILTY SAND WITH GRAVEL, dry to moist, tan brown	0.4
				Dense, SILTY SAND WITH GRAVEL, dark brown to black, soil appears stained	
				Medium stiff, SANDY SILT WITH GRAVEL, fine gravel, dry to moist, dark gray with brown	
7.5		3.3 ppm SSHS-B848-SUB-6-8 @ 14:55		SANDY SILT WITH GRAVEL, medium to coarse sand, with silt, and coarse gravel, gray black, soil appears stained	0.8
				SANDY SILT, dark brown, low plasticity, soil appears stained	
		7 ppm SSHS-B848-SUB-8-10 @ 15:00		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, moist, orange tan, medium plasticity	0.6
				No recovery	

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BORING B848

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		2 ppm SSHS-B848-SUB-10-12 @ 15:05		Medium dense, WELL GRADED GRAVEL WITH SAND, fine to coarse gravel, with fine to coarse sand, moist, orange	0.3
				No recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B849

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753659.6672 ft **EASTING** 762613.0155 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B849-SUB-0-2 @ 9:00		Loose, WELL GRADED SAND, fine to coarse grained, wet, brown	
				POORLY GRADED SAND WITH GRAVEL, fine sand, with coarse gravel, moist, brown	1.3
				No recovery	
2.5		SSHS-B849-SUB-2-4 @ 9:05		Loose, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and coarse gravel, dark brown, with yellow brick	2.7
				No recovery Note: Two (2) attempst were made to collect sufficient sample for tests	
		SSHS-B849-SUB-4-6 @ 9:10		Stiff, SILT, dry to moist, dark brown, non plastic, with red brick	
5.0				Medium dense, SANDY SILT WITH GRAVEL, dry to moist, black, non plastic, with red brick and blak shiny material	2.9
				No recovery	
		7 ppm SSHS-B849-SUB-6-8 @ 9:15		Loose, SILTY GRAVEL WITH SAND, fine to coarse grained, wet, dark brown	
				Medium dense, CLAYEY SAND, moist, dark brown, medium plasticity	3.4
7.5				Dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, moist, dark brown	
				Red Brick	
				Bottom of borehole at 8.0 feet.	

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BORING B850

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753663.2007 ft **EASTING** 762626.1585 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		<1 ppm SSHS-B850-SUB-0-2 @10:00		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, tan brown	1.8
				No recovery	
2.5		244 ppm SSHS-B850-SUB-2-4 @10:05		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, tan brown	
				Medium dense, SANDY SILT WITH GRAVEL, and black shiny material (ash), dry to moist, dark brown, with brick	1
				No recovery	
		47 ppm SSHS-B850-SUB-4-6 @10:10		Medium dense, SANDY SILT WITH GRAVEL, and black shiny material (ash), dry to moist, dark brown, with brick and some crushed concrete	0.5
5.0					
		49.6 ppm SSHS-B850-SUB-6-8 @10:15		SILTY SAND WITH GRAVEL, fine gravel, moist, dark brown, and brick, soil appears stained	1
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B850 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753663.2007 ft **EASTING** 762626.1585 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
7.5		49.6 ppm SSHS-B850-SUB-8-10		Dense, SAND, with black shiny material (ash), medium to coarse grained, moist, dark red brown, Slag, brick, and wood present	
				Very stiff, LEAN CLAY, CLAY, moist, orange yellow	2.1

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BORING B850 (re-drill)

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		< 1 ppm		Increasing gravel	
				Loose, CLAYEY GRAVEL, GRAVEL, with clay, fine to coarse grained, wet, orange tan, medium plasticity	3
				WELL GRADED SAND WITH CLAY, fine to coarse sand, moist, orange tan	
12.5		SSHS-B850-SUB-10-12 SSHS-B850-SUB-12-14		Dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, moist, orange tan, low plasticity	3.1
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B851

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753735.402 ft **EASTING** 762642.3166 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		13 ppm SSHS-B851-SUB-0-2 @ 11:15		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, dry to moist, tan brown	2.2
				Loose, SILTY SAND, with black shiny material (ash), dry to moist, dark brown, and brick	
				Crushed convrete	
2.5		16 ppm SSHS-B851-SUB-2-4 @ 11:20		Medium dense, SANDY SILT WITH GRAVEL, fine gravel, dark brown, non plastic	1.7
				SILTY SAND, with black shiny material (ash), dark brown, and some crushed red brick and concrete	
		3 ppm SSHS-B851-SUB-4-6 @ 11:25		SILTY SAND WITH GRAVEL, with black shiny material (ash), fine to coarse sand, dry to moist, dark gray, non plastic, and some brick	1.9
5.0					
		1 ppm SSHS-B851-SUB-6-8 @ 11:30		Becomes dry to moist	1.7
7.5				No recovery	
		SSHS-B851-SUB-8-10 @ 11:35		SILTY SAND WITH GRAVEL, with black shiny material (ash), fine to coarse sand, dry to moist, dark gray, non plastic, and some brick	1.2
				No recovery	

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BORING B851

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		1 ppm SSHS-B851-SUB-10-12 @ 11:40		SILTY SAND WITH GRAVEL, with black shiny material (ash), fine to coarse sand, dry to moist, dark gray, non plastic, and some brick	
				Loose, WELL GRADED GRAVEL WITH SILT AND SAND, with black shiny material (ash), fine to coarse sand, dry to moist, dark brown, non plastic	1.5
				No recovery	
12.5		SSHS-B851-SUB-12-14 @ 11:45		Loose, WELL GRADED GRAVEL WITH SAND, fine to coarse gravel, with fine to coarse sand, wet, brown	1.4
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B852

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753735.3036 ft **EASTING** 762659.3277 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
				Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, moist, brown, non plastic	
		SSHS-B852-SUB-0-2 @ 12:05		Light tan, crushed concrete (FILL)	0.3
				SANDY SILT WITH GRAVEL, with black shiny material (ash), moist, dark brown, and red brick	
2.5		SSHS-B852-SUB-2-4 @ 12:10		Soft, SANDY SILT WITH GRAVEL, fine gravel, with black shiny material (ash), dry to moist, dark brown, and red brick	0.6
5.0		SSHS-B852-SUB-4-6 @ 12:15		Becomes coarse gravel, little black shiny material (ash), low plasticity	0.7
				No recovery	
		SSHS-B852-SUB-6-8 @ 12:20		Medium dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, dry to moist, brown, non plastic	0.8
7.5				No recovery	
				Medium dense, SILTY SAND WITH GRAVEL, dry to moist, brown, and brick	
		SSHS-B852-SUB-8-10 @ 12:25		Stiff, SILT, dry to moist, dark brown, non plastic	3.5
				Medium dense, SILTY SAND WITH GRAVEL, dry to moist, brown, and brick	
				No recovery	

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BORING B852

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B852-SUB-10-12 @ 12:30		Medium dense, SILTY SAND WITH GRAVEL, dry to moist, brown, and brick	4.2
				No recovery	
12.5		SSHS-B852-SUB-12-14 @ 12:35		Medium dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, moist, brown	3.7
				No recovery	

Bottom of borehole at 14.0 feet.

10.0

12.5

15.0

17.5

20.0

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BORING B853

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753835.8742 ft **EASTING** 762699.2718 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Crushed asphalt	
		SSHS-B853-SUB-0-2 @ 15:30		Loose, SILTY SAND WITH GRAVEL, fine gravel, dry, dark yellow to brown	0.5
				Medium stiff, CLAYEY GRAVEL WITH SAND, coarse gravel, with clay, and black shiny material (ash), dark brown, brick fragments present	
2.5		SSHS-B853-SUB-2-4 @ 15:35		SILTY SAND, dry, tan to brown, black shiny material in matrix	0.5
				WELL GRADED SAND WITH GRAVEL, dark black, Matrix is dominated by foreign material (black shiny material and brick)	
				Loose, SILT, dry, tan brown	
5.0		SSHS-B853-SUB-4-6 @ 15:40		Loose, WELL GRADED SAND, with black shiny material (ash), dry, dark brown to black, Note: 2 attempts were made to collect the 6-8' ft interval. The first attempt had <2" of recovery and the second attempt hit refusal.	0.2
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B854

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753816.4484 ft **EASTING** 762722.7003 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B854-SUB-0-2		Medium dense, WELL GRADED SAND WITH SILT, fine to coarse sand, with silt, some fine gravel, dry, light brown to brown	5.8
				No recovery	
2.5		SSHS-B854-SUB-2-4		Becomes some black shiny material (ash), brick present	1.7
				Becomes loose	
5.0		SSHS-B854-SUB-4-6		Dense, CLAYEY GRAVEL, coarse grained, moist, brown	0.9
				Becomes medium dense, medium plasticity, less clay	
		SSHS-B854-SUB-6-8		No recovery	3
7.5				Bottom of borehole at 8.0 feet.	

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BORING B855

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753718.6336 ft **EASTING** 762601.4932 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		15 ppm SSHS-B855-SUB-0-2		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, dry to moist, tan brown	3.5
2.5		64 ppm SSHS-B855-SUB-2-4		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, black shiny material (ash), dry to moist, dark brown, low plasticity, Brick present in soil	3.6
5.0		SSHS-B855-SUB-4-6		Medium dense, SILTY SAND WITH GRAVEL, sand, with silt, and fine to coarse gravel, dry, dark brown with gray, non plastic	1.7
		11 ppm SSHS-B855-SUB-6-8		SILTY SAND WITH GRAVEL, fine sand, with silt, with coarse gravel, dark tan to gray, low plasticity	2.1
7.5		2 ppm SSHS-B855-SUB-8-10		Medium dense, SILTY SAND, black shiny material (ash), dry, dark gray to black	
				Loose, WELL GRADED SAND, dry, gray	56.8
				Medium dense, LEAN CLAY, moist, dark brown, medium plasticity	
				No recovery	

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BORING B855

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		2 ppm SSHS-B855-SUB-10-12		Medium stiff, SILT WITH SAND, dry to moist, dark gray	
				Stiff, LEAN CLAY WITH GRAVEL, coarse gravel, moist, dark brown gray, medium plasticity	67
				No recovery	
12.5		< 1 ppm SSHS-B855-SUB-12-14		Loose, WELL GRADED GRAVEL WITH SILT AND SAND, gravel, with fine to coarse sand, wet, dark brown to brown, non plastic, Interpreted to by the depth of the water table	21.2
				No recovery	

Bottom of borehole at 14.0 feet.

10.0 12.5 15.0 17.5 20.0

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BORING B856

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING 753693.1809 ft **EASTING** 762680.3053 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
				SANDY SILT WITH GRAVEL, fine to coarse gravel, dry to moist, dark brown, non plastic	
		SSHS-B856-SUB-0-2 @ 11:20		Medium dense, SILTY GRAVEL WITH SAND, moist, tan brown	
				No recovery	4.7
2.5		SSHS-B856-SUB-2-4 @ 11:25		Medium dense, SILTY SAND WITH GRAVEL, fine to medium sand, dry to moist, dark brown, low plasticity, soil contains brick, shiny material, and appears stained	2.5
				No recovery	
5.0		SSHS-B856-SUB-4-6 @ 11:30		Medium dense, SILTY SAND WITH GRAVEL, fine to medium sand, dry to moist, dark brown, low plasticity, soil contains brick, shiny material, and appears stained Stiff, SILT, and black shiny material (ash), some gravel, light brown to brown, non plastic	0.5
				No recovery	
		16 ppm SSHS-B856-SUB-6-8 @ 11:35		Loose, SILTY SAND WITH GRAVEL, some black shiny material (ash), dry to moist, dark brown	
				SANDY SILT WITH GRAVEL, some gravel, orange brown, non plastic, locally stained with black shiny material	0.8
7.5				No recovery	
		2 ppm SSHS-B856-SUB-8-10 @ 11:40		Stiff, LEAN CLAY WITH SAND, fine to coarse sand, moist, tan brown, medium plasticity	0.5
				Stiff, SILT, dry to moist, tan orange, non plastic	

(Continued Next Page)

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BORING B856

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		16 ppm SSHS-B856-SUB-10-12 @ 11:45		LEAN CLAY WITH GRAVEL, dark brown with orange, medium plasticity	
				Dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to coarse gravel, dry to moist, orange brown	0.3
12.5		7 ppm SSHS-B856-SUB-12-14 @ 11:50		Becomes dense, dry to moist, orange brown	0.8
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B857

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753635.0807 ft **EASTING** 762648.2057 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		< 1 ppm SSHS-B857-SUB-0-2 @ 14:15		WELL GRADED SAND WITH GRAVEL, fine to coarse gravel, dry to moist, yellow brown	1.1
2.5		147 ppm SSHS-B857-SUB-2-4 @ 14:20		SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), moist, dark brown, soil appears stained	
				Soft, SANDY SILT WITH GRAVEL, fine to coarse gravel, with black shiny material (ash), dry to moist, dark brown to black, non plastic, crushed brick	3.2
		3 ppm SSHS-B857-SUB-4-6 @ 14:25		Medium dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, dry to moist, tan brown	
				WELL GRADED GRAVEL WITH SILT AND SAND, moist, dark gray to brown, soil appears stained with wood	
5.0				SILTY SAND, with black shiny material (ash), fine to coarse grained, dark brown to orange, soil appears locally stained	1.5
				Black shiny material (ash), dry, black, material the size of well graded sand	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B858

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753855.7003 ft **EASTING** 762554.3476 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, dry to moist, brown, non plastic	
		< 1 ppm SSHS-B858-SUB-0-2 @ 12:15		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, and fine to coarse gravel, dry to moist, tan brown, non plastic	1.2
2.5		47 ppm SSHS-B858-SUB-2-4 @ 12:20		No recovery Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, and fine to coarse gravel, dry to moist, tan brown, non plastic, with brick	0.8
				No recovery	
5.0		199 ppm SSHS-B858-SUB-4-6 @ 12:25		Loose, SILTY SAND WITH GRAVEL, black shiny material (ash), dry to moist, gray brown, localized staining and crushed brick	0.7
				Becomes black shiny material (ash), and brick	
		13 ppm SSHS-B858-SUB-6-8 @ 12:30		Red brick	0.4
7.5				Medium dense, SILTY SAND WITH GRAVEL, some black shiny material (ash), moist, dark brown, low plasticity	
				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B859

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753871.0349 ft **EASTING** 762578.1435 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, brown, non plastic, roots present (TOPSOIL)	
		< 1 ppm SSHS-B859-SUB-0-2 @ 12:45		Medium dense, SILTY SAND WITH GRAVEL, fine gravel, dry to moist, brown, non plastic	0.9
				No recovery	
2.5		98 ppm SSHS-B859-SUB-2-4 @ 12:50		Medium dense, SILTY SAND WITH GRAVEL, fine gravel, dry to moist, brown, non plastic	
				Soft, SANDY SILT, with black shiny material (ash), dry to moist, dark brown, and brick	1.3
				Medium dense, SILTY SAND WITH GRAVEL, fine gravel, dry to moist, brown, non plastic	
		24 ppm SSHS-B859-SUB-4-6 @ 12:55		Medium dense, SILTY SAND, with black shiny material (ash), dry to moist, dark brown to brown	1.1
5.0				Loose, SILTY SAND WITH GRAVEL, coarse gravel, dry, gray	
				SILTY SAND WITH GRAVEL, coarse gravel, tan with gray	
		29 ppm SSHS-B859-SUB-6-8 @ 13:00		SILTY SAND WITH GRAVEL, and black shiny material (ash), moist, dark brown, low plasticity	0.5
7.5				No recovery	

Bottom of borehole at 8.0 feet.

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BORING B860

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753882.3078 ft **EASTING** 762608.5896 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, brown, non plastic, with roots	
		< 1 ppm SSHS-B860-SUB-0-2 @ 13:15		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, tan brown	0.1
				No recovery	
2.5		31 ppm SSHS-B860-SUB-2-4 @ 13:20		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, tan brown	
				With fine gravel, moist, dark brown	0.4
				No recovery	
5.0		7 ppm SSHS-B860-SUB-4-6 @ 13:25		SILTY SAND WITH GRAVEL, fine to coarse sand, and silt, with coarse gravel, brown tan, non plastic	0.3
		4 ppm SSHS-B860-SUB-6-8 @ 13:30		Becomes brick and concrete present	0.3
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B861

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753890.1458 ft **EASTING** 762636.6637 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry to moist, brown, non plastic, with grass	
		SSHS-B861-SUB-0-2 @ 15:30		Medium dense, SILTY SAND WITH GRAVEL, dry to moist, tan brown, non plastic	2.4
2.5		SSHS-B861-SUB-2-4 @ 15:30			1.6
				No recovery	
				Medium dense, SILTY SAND WITH GRAVEL, dry to moist, tan brown, non plastic	
5.0		SSHS-B861-SUB-4-6 @ 15:30		Red brick	2.8
				No recovery	
				Red brick	
		SSHS-B861-SUB-6-8 @ 15:30		WELL GRADED SAND, few gravel, some black shiny material (ash), dry to moist, gray brown	0.8
7.5				No recovery	

Bottom of borehole at 8.0 feet.

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BORING B862

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753805.9563 ft **EASTING** 762505.9126 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B862-SUB-0-2 @ 14:15		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse sand, with silt, and coarse gravel, dry, tan brown	0.5
				Stiff, WELL GRADED SAND WITH SILT AND GRAVEL, coarse gravel, moist, dark brown	
2.5		SSHS-B862-SUB-2-4 @ 14:20		SILTY SAND WITH GRAVEL, and black shiny material (ash), dry, black to brown	0.2
				Medium dense, WELL GRADED SAND WITH GRAVEL, coarse gravel, dry to moist, dark brown	
5.0		SSHS-B862-SUB-4-6 @ 14:25		Medium dense, WELL GRADED SAND WITH SILT, fine to coarse sand, with silt, and fine to coarse gravel, dry to moist, brown, Black shiny material is present	0.8
				No recovery	
		SSHS-B862-SUB-6-8 @ 14:30		Becomes coarse gravel	0.5
7.5				No recovery	

Bottom of borehole at 8.0 feet.

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BORING B863

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753834.4241 ft **EASTING** 762524.971 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry to moist, brown, non plastic, roots present	
		SSHS-B863-SUB-0-2 @ 11:45		Loose, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, light gray brown	3.6
2.5				WELL GRADED GRAVEL, dry, gray	
		SSHS-B863-SUB-2-4 @ 11:50		Loose, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, light gray brown, soil appears stained	3.5
				No recovery	
				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, light brown, non plastic, brick present	
5.0		SSHS-B863-SUB-4-6 @ 11:55			1.9
				No recovery	
				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, black shiny material (ash), light brown, and brick present	
		SSHS-B863-SUB-6-8 @ 12:00			4.4
7.5				No recovery	

Bottom of borehole at 8.0 feet.

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BORING B864

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753816.2516 ft **EASTING** 762651.7818 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		< 1 ppm SSHS-B864-SUB-0-2		Loose, SILTY GRAVEL WITH SAND, coarse gravel, wet, brown	5.5
				No recovery	
2.5		14 ppm SSHS-B864-SUB-2-4		Dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, dry to moist, dark brown, low plasticity, Some black shiny material and brick fragments	0.8
				CLAYEY GRAVEL WITH SAND, fine to coarse gravel, dark brown, (sand size fragments appear to be composed of primarly gravel shards)	
5.0		1 ppm SSHS-B864-SUB-4-6		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, moist, dark brown, low plasticity	1.8
		< 1 ppm SSHS-B864-SUB-6-8		Medium dense, CLAYEY SAND WITH GRAVEL, fine to medium sand, with clay, and fine to medium gravel, moist, dark brown, low plasticity, Brick and black shiny material is present	1.7
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B865

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING 753809.0173 ft **EASTING** 762747.3328 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B865-SUB-0-2 @ 15:20		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, dry to moist, light tan brown	0.9
				Stiff, SANDY SILT, and black shiny material (ash), dark brown, non plastic, with brick present in matrix	
2.5					
		SSHS-B865-SUB-2-4 @ 15:25		SANDY SILT, dark brown orange	
				Loose, black shiny material (ash), dry, dark gray, slag, coal, and brick the size of fine to coarse sand (FILL)	0.6
				No recovery	

Bottom of borehole at 4.0 feet.

5.0

7.5

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BORING B866

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753766.0384 ft **EASTING** 762783.4121 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B866-SUB-0-2 @ 8:45		Medium dense, WELL GRADED SAND WITH GRAVEL, fine to coarse sand, moist, brown	
				Medium dense, WELL GRADED SAND WITH SILT, black shiny material (ash), moist, brown to black, and brick present in matrix	1.7
2.5				Stiff, SILT, wet, orange brown, non plastic	
		SSHS-B866-SUB-2-4 @ 8:50		Becomes medium dense, moist, black, soil appears to be stained and contains brick and slag material	7.4
				Becomes No recovery	
				Becomes less brick	
5.0		SSHS-B866-SUB-4-6 @ 8:55			3.8
				Medium dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, moist, dark brown	
				Bottom of borehole at 6.0 feet.	
7.5					

PAULS BH / TP / WELL - DEFAULT.GDT - 2/23/18 16:38 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA_TRIAL_EKB_RE\ELMIRA - MN0832.GPJ

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BORING B867

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753732.126 ft **EASTING** 762794.1837 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B867-SUB-0-2 @ 12:10		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, dry, yellow tan	1.7
				Medium dense, WELL GRADED SAND, moist, dark brown, soil appears stained	
				No recovery	
2.5		SSHS-B867-SUB-2-4 @ 12:15		Becomes brick and black shiny material present	1.8
				Medium dense, POORLY GRADED SAND, fine grained, dry to moist, yellow orange	
				Medium dense, WELL GRADED SAND, with coal, moist, dark brown, soil appears stained with brick and slag	
5.0		SSHS-B867-SUB-4-6 @ 12:20		No recovery	3.1
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B868

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING 753762.1211 ft **EASTING** 762764.9574 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B868-SUB-0-2 @ 14:40		Loose, WELL GRADED SAND, fine to coarse sand, dry to moist, tan gray, red brick present	16.2
				Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, with black shiny material (ash), moist, dark brown, appears stained	
				Loose, WELL GRADED GRAVEL WITH SAND, moist to wet, dark brown	
2.5				SILT WITH SAND, black shiny material (ash), moist, dark brown, and brick present	
		SSHS-B868-SUB-2-4 @ 14:45		Black shiny material (ash), dark gray black, (FILL) fine to coarse sand size fill material, red brick with slag	3.8
				Loose, WELL GRADED GRAVEL WITH SAND, moist to wet, dark brown	
5.0		SSHS-B868-SUB-4-6 @ 14:50		Black shiny material (ash), dark gray black, (FILL) fine to coarse sand size fill material, red brick with slag	1.5
				Loose, WELL GRADED GRAVEL, coarse grained, dry, gray	
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B869

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753863.6858 ft **EASTING** 762694.4949 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Crushed asphalt	
		SSHS-B869-SUB-0-2		Loose, SILTY SAND WITH GRAVEL, SAND, with silt, and coarse gravel, dry, light gray with black, gray material looks like ash	
				Medium dense, CLAYEY SAND WITH GRAVEL, CLAY, with sand, and fine gravel, dry to moist, tan and brown	0.6
2.5		SSHS-B869-SUB-2-4		Medium dense, CLAYEY SAND WITH GRAVEL, CLAY, with medium sand, and fine gravel, dry to moist, brown	0.7
				Loose, POORLY GRADED GRAVEL, coarse gravel, dry to moist, brown	
				Moist, dark black, Black shiny fill, fine to coarse sand size material	
5.0		SSHS-B869-SUB-4-6		Loose, SILTY SAND, fine to medium sand, dry, brown and black	0.2
				Stiff, LEAN CLAY, some medium to coarse sand, dark brown	
				No Recovery	
		SSHS-B869-SUB-6-8		Loose, SILTY SAND WITH GRAVEL, SAND, with fine to medium gravel, some black shiny material (ash), dry to moist, dark brown to brown	
7.5				Dense, CLAYEY GRAVEL WITH SAND, fine gravel, with coarse sand, moist, yellow to brown	0.5
				No Recovery	

Bottom of borehole at 8.0 feet.

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BORING B870

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753710.5201 ft **EASTING** 762813.1725 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Crushed asphalt	
		SSHS-B870-SUB-0-2 @ 14:50		Loose, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry, light yellow tan, non plastic	3.8
				SANDY SILT, SILT, with sand, and black shiny material (ash), dark brown to black	
2.5				Loose, SILTY SAND WITH GRAVEL, coarse gravel, dry, light gray	
		SSHS-B870-SUB-2-4 @ 14:55		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, some black shiny material (ash), moist, dark brown	1.2
				No recovery	
				Loose	
				LEAN CLAY, moist, brown, red and rellow brick present, gray foreign material present	
5.0		SSHS-B870-SUB-4-6 @ 15:00		Black shiny material (ash), dark brown to black	1.5
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B871

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING 753789.5915 ft **EASTING** 762751.7947 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B871-SUB-0-2 @ 15:00		Dense, WELL GRADED SAND WITH SILT, fine to coarse sand, dry to moist, light yellow tan, non plastic	25
				WELL GRADED SAND WITH SILT, moist, dark brown, medium plasticity, brick present	
2.5		SSHS-B871-SUB-2-4 @ 15:05		Becomes some black shiny material (ash), appears locally stained with yellow and red brick	3.6
5.0		SSHS-B871-SUB-4-6 @ 15:10		Medium dense, WELL GRADED SAND WITH SILT, dark brown to gray, non plastic, grains are well graded sand in size, composed of slag, brick, and black shiny material (FILL)	1.3
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B872

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753860.0015 ft **EASTING** 762668.6223 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry to moist, tan to brown, roots	
		SSHS-B872-SUB-0-2 @ 2.3		WELL GRADED SAND WITH SILT, and black shiny material (ash), dry to moist, brown, brick is present, soil is stained	2.3
				Dense, POORLY GRADED SAND, fine grained, moist, yellow orange	
2.5		SSHS-B872-SUB-2-4 @ 0.6		Loose, dry, dark gray to brown, composed of solely black shiny material (interpreted to be coal) and brick	0.6
				No recovery	
				Dense, POORLY GRADED SAND, with black shiny material (ash), fine grained, moist, yellow orange, soil has some staining	
5.0		SSHS-B872-SUB-4-6 @ 2.5		WELL GRADED SAND, with black shiny material (ash), moist, dark gray, (slag, coal, and staining)	
				No recovery	2.5
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B873

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753752.9905 ft **EASTING** 762737.6674 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B873-SUB-0-2 @ 13:55		Loose, WELL GRADED SAND WITH SILT, dry, tan	3.8
				Medium dense, WELL GRADED SAND WITH SILT, some black shiny material (ash), moist, dark brown, crushed brick present	
				Becomes coarse gravel, brick but no black shiny material	
2.5		SSHS-B873-SUB-2-4 @ 14:00			3.8
				Becomes No recovery	
				Becomes medium dense, with silt, and fine gravel, and black shiny material (ash), black shiny material present in matrix	
5.0		SSHS-B873-SUB-4-6 @ 14:05			5
				Becomes No recovery	
		SSHS-B873-SUB-6-8 @ 14:10			6.1
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B874

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753824.3782 ft **EASTING** 762568.9112 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B874-SUB-0-2 @ 11:45		Medium dense, WELL GRADED SAND WITH GRAVEL, moist, gray brown	1.4
				SILT WITH GRAVEL, moist, dark brown, low plasticity	
2.5		171 ppm SSHS-B874-SUB-2-4 @11:50		SANDY SILT WITH GRAVEL, fine to coarse gravel, some black shiny material (ash), moist, dark brown, brick is present, soil appears stained and has hydrocarbon odor	1.6
				No recovery	
		100 ppm SSHS-B874-SUB-4-6 @11:55		SANDY SILT WITH GRAVEL, fine to coarse gravel, some black shiny material (ash), moist, dark brown, brick is present, soil appears stained and has hydrocarbon odor	
				Loose, dry, gray, crushed concrete (FILL)	
5.0				Dense, WELL GRADED SAND WITH SILT AND GRAVEL, dry to moist, dark brown, non plastic, red brick, wood, and soil staining, slight hydrocarbon odor	2.5
				No recovery	
				Loose, SANDY SILT, dry to moist, dark brown, non plastic, red brick and concrete present Note: Liner stuck, soil was consistency could not be determined	
		SSHS-B874-SUB-6-8 @ 112:00		No recovery	7.5
7.5					
				Bottom of borehole at 8.0 feet.	

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BORING B875

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753805.1328 ft **EASTING** 762555.0464 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B875-SUB-0-2 @ 12:10		Loose, WELL GRADED SAND WITH SILT, dry to moist, brown	0.1
				No recovery	
		85 ppm SSHS-B875-SUB-2-4 @ 12:15		Loose, WELL GRADED SAND WITH SILT, dry to moist, brown	
2.5				SANDY SILT, dry to moist, dark brown, non plastic	
				Loose, SILTY GRAVEL, fine to coarse grained, dry to moist, tan brown	0.8
				WELL GRADED SAND WITH SILT, fine gravel, some black shiny material (ash), dry to moist, dark brown, soil appears stained, has hydrocarbon odor and red brick present	
		2 ppm			
5.0				No recovery Note: Hit refusal at 5 ft, recorded a PID readig but did not collect a sample	1.2
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B875 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753805.1328 ft **EASTING** 762555.0464 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5				Loose, SILTY SAND, fine to coarse sand, and silt, moist, dark brown to brown, non plastic	
5.0		2 ppm SSHS-B875-SUB-4-6		Medium dense, SILTY SAND WITH GRAVEL, SAND, and silt, with coarse gravel, and black shiny material (ash), dry to moist, dark brown to black, red and yellow brick present HIT REFUSAL AT APPROXIMATELY 5 1/2 TO 6 FT	1.5
7.5				Bottom of borehole at 6.0 feet.	

PAULS BH / TP / WELL - DEFAULT.GDT - 2/23/18 16:39 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA_TRIAL_EKB_RE\ELMIRA - MN0832.GPJ

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BORING B876

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753692.2525 ft **EASTING** 762791.0925 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, dark brown, grass and leaves present in upper 2"	
		SSHS-B876-SUB-0-2		WELL GRADED SAND WITH GRAVEL, dry to moist, tan brown	5.4
				SILT, moist, orange, coarse slag fragments and black shiny material (interpeted to be coal)	
				WELL GRADED SAND, brown and orange	
				No recovery	
2.5				Medium stiff, SANDY LEAN CLAY, moist, dark brown, red brick present	
		SSHS-B876-SUB-2-4		No recovery	1.6
		SSHS-B876-SUB-4-6		Loose, dry to moist, dark brown to black, Crushed slag, brick, and black shiny material, fine to coarse sand size	1.5
5.0				No recovery	
		SSHS-B876-SUB-6-8		Yellow brick present	3.3
7.5				No recovery	
8.0				Bottom of borehole at 8.0 feet.	

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BORING B876 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/24/18 **COMPLETED** 1/24/18
NORTHING 753692.2525 ft **EASTING** 762791.0925 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5		SSHS-B876-SUB-2-4		Medium dense, SILTY SAND WITH GRAVEL, dry to moist, orange and brown, @ 24-27" back shiny material	
				Medium dense, WELL GRADED SAND WITH SILT, dry to moist, brown	0.9
				Stiff, SILT, dry to moist, brown	
				Loose, WELL GRADED GRAVEL WITH SAND, dry to moist, tan brown	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B877

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753698.8174 ft **EASTING** 762609.4361 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		2 ppm SSHS-B877-SUB-0-2 @ 9:15		Dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and coarse gravel, dry to moist, light tan brown, non plastic, with red brick	0.8
2.5		116 ppm SSHS-B877-SUB-2-4 @ 9:20		SANDY SILT WITH GRAVEL, fine gravel, dry to moist, dark brown tan, some fine pieces of brick and black shiny material	
				Dense, SANDY SILT WITH GRAVEL, moist, dark gray brown, glass, black shiny material and bricks are abundant	1.1
				No recovery	
		33 ppm SSHS-B877-SUB-4-6 @ 9:25		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, moist, gray brown	
				Medium dense, SILTY GRAVEL WITH SAND, fine gravel, wet, dark brown, low plasticity	
5.0				SANDY SILT WITH GRAVEL, with coarse gravel, and black shiny material (ash), dry to moist, dark brown, low plasticity	2.9
				No recovery	
		9.8 ppm SSHS-B877-SUB-6-8 @ 9:30		Very stiff, SANDY SILT WITH GRAVEL, coarse gravel, with black shiny material (ash), moist, dark brown to black, appears stained	0.5
7.5				Loose, WELL GRADED GRAVEL, dry to moist, gray brown	
				No recovery	
				SANDY SILT WITH GRAVEL, some black shiny material (ash), moist, brown gray	
		SSHS-B877-SUB-8-10 @ 9:35		Medium stiff, SANDY SILT WITH GRAVEL, coarse gravel, some black shiny material (ash), moist, dark brown, low plasticity	0.7
				No recovery	

(Continued Next Page)

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BORING B877

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		2 ppm SSHS-B877-SUB-10-12 @ 9:40		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, orange brown, low plasticity	8
				No recovery	
12.5				Very loose, SILTY SAND, coarse sand, wet, dark brown, non plastic	
		SSHS-B877-SUB-12-14 @ 9:45		Loose, WELL GRADED GRAVEL WITH SAND, fine to coarse sand, dry to moist, yellow brown	4
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B878

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753749.7228 ft **EASTING** 762625.4957 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B878-SUB-0-2 @ 13:30		WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, dry to moist, brown tan, with red brick	0.8
				WELL GRADED GRAVEL WITH SAND, fine to coarse sand, moist, dark brown	
				SANDY SILT WITH GRAVEL, coarse gravel, dry to moist, dark brown, non plastic, crushed brick	
2.5		SSHS-B878-SUB-2-4 @ 13:35		Medium dense, SILTY SAND WITH GRAVEL, coarse gravel, dry to moist, dark brown, with red brick, soil appears stained	1
5.0		SSHS-B878-SUB-4-6 @ 13:40		No recovery	1.8
		SSHS-B878-SUB-6-8 @ 13:45		Loose, WELL GRADED SAND WITH SILT, fine gravel, with black shiny material (ash), moist, dark brown, red brick present	0.2
7.5				No recovery	
		SSHS-B878-SUB-8-10 @ 13:50		WELL GRADED GRAVEL WITH SAND, fine to coarse sand, with black shiny material (ash), dry to moist, dark brown	
				WELL GRADED SAND WITH GRAVEL, fine gravel, and black shiny material (ash), dry to moist, orange brown	1.5
				No recovery	

(Continued Next Page)

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BORING B878

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B878-SUB-10-12 @ 13:55		SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, moist, dark brown, non plastic	
				SILT WITH GRAVEL, dry to moist, green gray, low plasticity	2.4
				No recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B879

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753730.1855 ft **EASTING** 762612.7235 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B879-SUB-0-2 @ 10:45		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, dry to moist, brown, non plastic	11.6
2.5		71 ppm SSHS-B879-SUB-2-4 @ 10:50		Becomes some staining at 24" SILTY SAND, with black shiny material (ash), dry to moist, dark brown, and yellow and red brick	2.1
5.0		SSHS-B879-SUB-4-6 @ 10:55		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, dry to moist, brown gray	4.1
				SANDY SILT WITH GRAVEL, black shiny material (ash), dark brown, and brick present, silt appears stained	
				No recovery	
		8 ppm SSHS-B879-SUB-6-8 @ 11:00		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, dry to moist, brown gray Becomes moist	3.4
7.5				No recovery	
				SILTY SAND WITH GRAVEL, fine gravel, dry to moist, dark brown, and yellow brick present	
		SSHS-B879-SUB-8-10 @ 11:05		SANDY SILT WITH GRAVEL, and black shiny material (ash), dark brown, soil appears stained	2.4
				No recovery	

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BORING B879

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		2 ppm SSHS-B879-SUB-10-12 @ 11:10		Loose, SILTY SAND, fine to coarse gravel, moist, dark brown	
				Very stiff, SILT, moist, gray, low plasticity	2.6
				No recovery	
12.5		SSHS-B879-SUB-12-14 @ 11:15		SILTY GRAVEL WITH SAND, coarse gravel, with silt, and fine to coarse sand, moist, brown	1.1
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B880

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753646.0714 ft **EASTING** 762702.451 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, dark brown, non plastic, with grass roots	
		36 ppm SSHS-B880-SUB-0-2		Loose, WELL GRADED SAND, fine to coarse sand, dry to moist, dark brown	3.3
				Medium dense, SILTY SAND, with black shiny material (ash), moist, dark brown to black	
2.5		138 SSHS-B880-SUB-2-4		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, with black shiny material (ash), moist, dark black black, with brick	5
				No recovery	
5.0		SSHS-B880-SUB-4-6		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, with black shiny material (ash), dry to moist, dark black black, and brick (black shiny material increases with depth)	1.6
				SANDY LEAN CLAY WITH GRAVEL, dry to moist, orange, low plasticity	
		2 ppm SSHS-B880-SUB-6-8		Black shiny material (ash), (FILL)	
7.5				SANDY LEAN CLAY WITH GRAVEL, fine gravel, moist, orange, low plasticity	3.5
				No recovery	
		SSHS-B880-SUB-8-10		Dense, WELL GRADED SAND WITH GRAVEL, fine to coarse gravel, dry to moist, orange tan	2.8
				Dense, WELL GRADED SAND, fine to coarse grained, dry to moist, orange tan	

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BORING B880

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
		< 1 ppm SSHS-B880-SUB-10-12		Dense, POORLY GRADED SAND, fine grained, moist, orange	3.3
				Loose, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse sand, moist, orange	
				No recovery	
12.5				Loose, WELL GRADED GRAVEL WITH SILT AND SAND, wet, orange brown	
		SSHS-B880-SUB-12-14			3.4
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B880 (possible re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753646.0714 ft **EASTING** 762702.451 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	MATERIAL DESCRIPTION	
	SILT, moist, dark brown, non plastic, grass roots present	0.0
	Loose, WELL GRADED SAND, fine to coarse grained, dry to moist, dark brown	
2.5		2.5
	Bottom of borehole at 4.0 feet.	
5.0		
7.5		

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BORING B881

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753621.2552 ft **EASTING** 762647.6512 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		38 ppm SSHS-B881-SUB-0-2		SILT, moist, dark brown, low plasticity, roots present	
				Stiff, SILT, moist, dark brown, low plasticity, roots present	2.8
				Medium dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, moist, dark brown	
2.5		316 ppm SSHS-B881-SUB-2-4		No recovery	
				Dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, dark brown to black, non plastic, some brick and black shiny material present	3.2
				No recovery	
				Dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, dark brown to black, non plastic, some brick and black shiny material present	
				Loose, SILTY SAND WITH GRAVEL, dry, light tan, non plastic	
5.0		SSHS-B881-SUB-4-6		SILTY SAND WITH GRAVEL, and black shiny material (ash), dry to moist, orange brown	2.1
				Loose, black shiny material (ash), dry	
		3 ppm SSHS-B881-SUB-6-8		Loose, SILTY SAND, dry to moist, tan	
				Black shiny material (ash), (FILL)	
				Medium dense, SILTY SAND, moist, gray orange	
7.5				No recovery	4.1
		6 ppm SSHS-B881-SUB-8-10		Loose, WELL GRADED SAND WITH SILT, with black shiny material (ash), dry to moist, dark brown with black	
				Loose, WELL GRADED SAND WITH SILT AND GRAVEL, fine sand, orange brown, non plastic	4.2
				No recovery	

Bottom of borehole at 10.0 feet.

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BORING B882

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753774.8179 ft **EASTING** 762744.5277 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B882-SUB-0-2 @ 9:30		Medium dense, WELL GRADED SAND WITH SILT, dry to moist, orange tan	0.9
				WELL GRADED SAND, and black shiny material (ash), moist, dark brown, brick and slag also in abundance	
2.5				Becomes loose, dry	
		SSHS-B882-SUB-2-4 @ 9:35		Loose, SILTY GRAVEL WITH SAND, coarse gravel, dry, dark gray, non plastic	4.1
				No recovery	
				Loose, SILTY GRAVEL WITH SAND, coarse gravel, dry, tan	
				Becomes with black shiny material (ash), and brick	
5.0		SSHS-B882-SUB-4-6 @ 9:40		Moist, dark red brown, well graded sand composed of slag with some glass	3.5
				No recovery	
				Medium dense, WELL GRADED SAND WITH SILT, with black shiny material (ash), dry to moist, dark brown to gray, and slag and brick present	
		SSHS-B882-SUB-6-8 @ 9:45			4.1
				SILT, moist, dark brown, non plastic	
7.5				No recovery	
				Loose, SILTY SAND WITH GRAVEL, dry, dark brown, crushed brick in fine grain matrix	
				Stiff, SILT, moist, green gray, low plasticity	
		SSHS-B882-SUB-8-10 @ 9:50			5.5

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BORING B882

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B882-SUB-10-12 @ 9:55		Loose, WELL GRADED SAND WITH SILT, and black shiny material (ash), dry, dark brown, and brick present	12.8
				No recovery	
12.5		SSHS-B882-SUB-12-14 @ 10:00		WELL GRADED GRAVEL WITH SILT, fine to coarse gravel, with fine to coarse sand, moist, green gray, low plasticity	65.1
				Loose, SILTY SAND WITH GRAVEL, coarse gravel, dry to moist, dark brown, some brick present	
				Soft, SILTY GRAVEL WITH SAND, dark gray brown, low plasticity	
15.0				Bottom of borehole at 14.0 feet.	
17.5					
20.0					

10.0

12.5

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BORING B883

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753787.9773 ft **EASTING** 762646.3454 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B883-SUB-0-2 @ 10:45		Loose, WELL GRADED SAND, fine to coarse grained, moist, brown	0.6
				Medium dense, SILTY SAND, moist, dark brown, low plasticity	
2.5		SSHS-B883-SUB-2-4 @ 10:50		Medium soft, SANDY SILT WITH GRAVEL, fine gravel, dry to moist, gray brown, some brick and black shiny material in matrix	3.4
5.0		SSHS-B883-SUB-4-6 @ 10:55		Loose, WELL GRADED SAND WITH GRAVEL, dry to moist, light tan	0.9
				No recovery	
		10 ppm SSHS-B883-SUB-6-8 @ 11:00		Loose, WELL GRADED SAND WITH GRAVEL, dry to moist, light tan	
				Loose, WELL GRADED SAND WITH SILT, fine to coarse grained, dry to moist, light gray tan	1.6
7.5				Medium dense, SILTY SAND WITH GRAVEL, fine gravel, moist, dark brown, low plasticity	
				No recovery	
		95 ppm SSHS-B883-SUB-8-10 @ 11:05		Loose, SILTY SAND WITH GRAVEL, fine gravel, moist, dark brown, low plasticity	
				SILTY SAND, fine sand, with silt, few gravel, moist, black, non plastic, soil appears stained with some black shiny material	1

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BORING B883

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		63 ppm SSHS-B883-SUB-10-12 @ 11:10		Loose, SILTY SAND, moist, dark brown, low plasticity	
				Loose, SILTY SAND WITH GRAVEL, fine gravel, moist, dark brown, low plasticity	1.6
				No recovery	
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B884

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753861.1465 ft **EASTING** 762647.3592 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B884-SUB-0-2 @ 13:00		Loose, WELL GRADED SAND WITH SILT, fine gravel, dry to moist, tan brown	3.8
				SILTY SAND, fine to coarse sand, with silt, and black shiny material (ash), moist, dark brown, crushed brick is present	
				No recovery	
2.5		SSHS-B884-SUB-2-4 @ 13:05		Dense, WELL GRADED SAND WITH GRAVEL, fine to coarse sand, with fine to coarse gravel, dry to moist, brown	3.9
				Red brick	
				Medium dense, WELL GRADED SAND WITH GRAVEL, fine gravel, dry to moist, gray brown	
5.0		SSHS-B884-SUB-4-6 @ 13:10		SILTY GRAVEL WITH SAND, coarse gravel, with silt, and fine sand, moist, yellow, non plastic	10.8
				Becomes No recovery	
		SSHS-B884-SUB-6-8 @ 13:15		Loose, moist, dark brown with black, sand size soil is composed entirely of slag, coal, and black shiny material	9.6
7.5				Stiff, SILT, moist, brown gray, low plasticity	
				Bottom of borehole at 8.0 feet.	

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BORING B885

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING 753703.1579 ft **EASTING** 762731.3321 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B885-SUB-0-2		Medium dense, WELL GRADED SAND WITH GRAVEL, dry to moist, tan	0.5
				SILTY SAND WITH GRAVEL, and black shiny material (ash), moist, dark gray brown	
				No recovery	
				SILTY SAND, dark gray brown, low plasticity	
2.5		34 ppm SSHS-B885-SUB-2-4		SILTY SAND, moist, dark brown, non plastic, with brick and concrete	0.4
				SILTY SAND WITH GRAVEL, black shiny material (ash), dark brown, low plasticity	
5.0		SSHS-B885-SUB-4-6			1.7
		9 ppm SSHS-B885-SUB-6-8		Medium dense, SILTY SAND, with black shiny material (ash), moist, orange tan, black staining	
				Black shiny material (ash), (FILL)	0.6
7.5				Stiff, SILT, moist, light tan orange, non plastic	
		SSHS-B885-SUB-8-10			0.4
				Medium dense, SILTY SAND WITH GRAVEL, some fine gravel, moist, orange	

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BORING B885

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B885-SUB-10-12		No recovery	0.3
				Stiff, LEAN CLAY, medium to coarse sand, with black shiny material (ash), moist, dark brown and orange	
12.5		SSHS-B885-SUB-12-14		Stiff, SANDY SILT WITH GRAVEL, fine to coarse gravel, moist, dark brown with orange	0.4
				No recovery	
				Bottom of borehole at 4.0 feet.	
15.0					
17.5					
20.0					

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BORING B886

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753676.4618 ft **EASTING** 762649.2719 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		103 ppm SSHS-B886-SUB-0-2 @ 9:20		Medium dense, WELL GRADED SAND WITH SILT, moist, brown	1.3
				Medium dense, SANDY SILT WITH GRAVEL, fine gravel, with black shiny material (ash), dry to moist, dark brown, non plastic, and brick	
2.5		568 ppm SSHS-B886-SUB-2-4 @ 9:25		Medium dense, SANDY SILT WITH GRAVEL, fine to coarse gravel, and black shiny material (ash), dry to moist, dark brown to black, with red and yellow brick	0.8
		85 ppm SSHS-B886-SUB-4-6 @ 9:30			0.3
5.0				Loose, WELL GRADED SAND WITH GRAVEL, coarse gravel, dry to moist, brown	
		41 ppm SSHS-B886-SUB-6-8 @ 9:35		Loose, SILTY SAND WITH GRAVEL, fine to medium sand, with silt, and coarse gravel, dry to moist, dark brown	0.9
7.5				No recovery	
		SSHS-B886-SUB-8-10 @ 9:40		Loose, SILTY GRAVEL WITH SAND, coarse gravel, dry to moist, orange brown, non plastic	0.4
				No recovery	

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BORING B886

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		12 ppm SSHS-B886-SUB-10-12 @ 9:45		Loose, SILTY SAND, fine to coarse sand, dry to moist, brown, non plastic, with red brick	
				Loose, SILTY GRAVEL WITH SAND, coarse gravel, dry to moist, orange brown	0.9
				No recovery	
12.5		6 ppm SSHS-B886-SUB-12-14 @ 9:50		Loose, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse sand, dry to moist, dark brown, non plastic	
				Medium dense, SILTY GRAVEL WITH SAND, coarse sand, moist, orange, low plasticity	0.7
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B886 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/24/18 **COMPLETED** 1/24/18
NORTHING 753676.4618 ft **EASTING** 762649.2719 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5					
5.0					
		9.6 ppm SSHS-B886-SUB-6-8		SILTY SAND, and black shiny material (ash), dry, dark black, non plastic	
				Stiff, LEAN CLAY WITH GRAVEL, with black shiny material (ash), moist, tan orange, low plasticity, black shiny material is interbedded	0.7
7.5					
				Bottom of borehole at 8.0 feet.	

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BORING B887

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753694.9821 ft **EASTING** 762697.6806 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
				Medium dense, WELL GRADED SAND, moist, light brown	
		SSHS-B887-SUB-0-2 @ 15:00		Loose, SILTY SAND WITH GRAVEL, moist to wet, dark brown	2.7
2.5				Dense, SILTY SAND, medium to coarse sand, dry, dark brown	
		SSHS-B887-SUB-2-4 @ 15:05		Dense, SILTY GRAVEL, dry to moist, gray tan, non plastic	3.2
				No recovery	
				Stiff, SILT WITH GRAVEL, black shiny material (ash), orange brown, and brick present	
5.0		SSHS-B887-SUB-4-6 @ 15:10		SILT WITH GRAVEL, and black shiny material (ash), moist, green gray	8.3
				No recovery	
		9.6 SSHS-B887-SUB-6-8 @ 15:15		Dense, SILTY SAND, black shiny material (ash), moist, dark brown to black, (abundant black shiny material)	
7.5				Stiff, LEAN CLAY, with black shiny material (ash), moist, yellow brown	3.9
				No recovery	
		17 SSHS-B887-SUB-8-10 @ 15:20 ppm		Dense, SILTY GRAVEL, coarse gravel, moist, yellow orange, low plasticity	1.5
				No recovery	

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BORING B887

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		3 ppm SSHS-B887-SUB-10-12 @ 15:25		Becomes orange tan, increasing amount of sand (fine to coarse)	1.3
				No recovery	
				Medium dense, WELL GRADED SAND WITH SILT, moist, dark brown	
12.5		SSHS-B887-SUB-12-14 @ 15:30		SILTY GRAVEL WITH SAND, fine to coarse gravel, with fine to coarse sand, moist, orange brown	1.1
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B887 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/24/18 **COMPLETED** 1/24/18
NORTHING 753694.9821 ft **EASTING** 762697.6806 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
7.5				Loose, WELL GRADED SAND, and black shiny material (ash), dry to moist, dark brown to black, slag fragments in matrix	
		SSHS-B887-SUB-8-10		Stiff, SILT, moist, dark brown to yellow, low plasticity	0.8
				Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, dry to moist, yellow and	

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BORING B887 (re-drill)

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				tan SANDY SILT WITH GRAVEL, moist to wet, dark brown, low plasticity	
		SSHS-B887-SUB-10-12		Dense, WELL GRADED GRAVEL WITH SILT AND SAND, dry to moist, yellow and tan	0.3
12.5		SSHS-B887-SUB-12-14			1.2
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B888

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753659.536 ft **EASTING** 762733.1071 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, dark brown, with grass and roots	
				WELL GRADED GRAVEL WITH SAND, moist, dark brown	
		15 ppm SSHS-B888-SUB-0-2 @ 13:50		WELL GRADED SAND WITH GRAVEL, moist, tan	2.1
				WELL GRADED SAND WITH GRAVEL, some fine to coarse gravel, and black shiny material (ash), moist, dark brown, red brick present	
2.5		50 ppm SSHS-B888-SUB-2-4 @ 13:55		Medium dense, SILTY SAND WITH GRAVEL, SAND, with silt, and fine to coarse gravel, moist, dark brown, Note: 2 borings collected at the 2-4' ft bgs interval (for additional sample material)	1.1
				WELL GRADED SAND WITH GRAVEL, dry to moist, gray brown	
				No recovery	
				Medium dense, black shiny material (ash), dry to moist, black, (FILL)	
5.0		SSHS-B888-SUB-4-6 @ 14:00			0.7
				No recovery	
				Same as above	
		SSHS-B888-SUB-6-8 @ 14:05		Soft, SANDY SILT, SILT, and sand, with fine gravel, dry to moist, orange, non plastic	0.6
7.5				No recovery	
				Black shiny material (ash), Same as Above	
		3 ppm SSHS-B888-SUB-8-10 @ 14:10		WELL GRADED GRAVEL WITH SAND, fine to medium sand, dry to moist, orange	0.6

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BORING B888

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		16 ppm SSHS-B888-SUB-10-12 @ 14:15		Black shiny material (ash), Same as above, black shiny material present at 128-130"	0.7
				Medium dense, CLAYEY GRAVEL WITH SAND, fine to coarse gravel, with clay, and fine to coarse sand, wet, orange	
12.5		3 ppm SSHS-B888-SUB-12-14 @ 14:20		No recovery	
				Bottom of borehole at 14.0 feet.	3

10.0
12.5
15.0
17.5
20.0

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BORING B889

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753766.5896 ft **EASTING** 762586.0634 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		76 ppm SSHS-B889-SUB-0-2 @ 2.4		Dense, WELL GRADED SAND WITH SILT, fine to coarse sand, dry to moist, brown	
				Dense, SILTY SAND, fine to coarse sand, few gravel, dry to moist, dark brown	2.4
2.5		50 ppm SSHS-B889-SUB-2-4 @ 7.5		Loose, WELL GRADED GRAVEL WITH SILT, wet, dark brown	7.5
				No recovery	
				Loose, WELL GRADED GRAVEL WITH SILT, wet, dark brown	
5.0		SSHS-B889-SUB-4-6 @ 23.8		Loose, WELL GRADED SAND WITH GRAVEL, and black shiny material (ash), dry, dark gray	23.8
				Stiff, GRAVELLY SILT, moist, dark brown, non plastic	
		12 ppm SSHS-B889-SUB-6-8 @ 11.4		Very loose, SILTY GRAVEL WITH SAND, wet, dark brown	11.4
7.5					
		2 ppm		Stiff, GRAVELLY SILT, moist, dark brown	
		SSHS-B889-SUB-8-10 @ 15.4		Very loose, SILTY GRAVEL WITH SAND, wet, dark brown	15.4
				Medium dense, WELL GRADED SAND, and black shiny material (ash), dry to moist, dark	

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BORING B889

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		4 ppm SSHS-B889-SUB-10-12 @ 14.0		brown, slag and yellow/red brick Loose, SILTY GRAVEL, wet, dark brown, with brick	14
12.5		SSHS-B889-SUB-12-14 @ 8.4		No recovery	8.4
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B890

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753739.526 ft **EASTING** 762582.7366 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B890-SUB-0-2 @ 8:40		Loose, WELL GRADED SAND WITH GRAVEL, fine to coarse sand, with fine gravel, moist, brown	1.6
				No recovery	
2.5		SSHS-B890-SUB-2-4 @ 8:45		Medium dense, SILTY GRAVEL WITH SAND, medium to coarse gravel, with silt, and fine to coarse sand, moist, dark brown, non plastic, Roots and wood present	24.1
				No recovery	
				Medium dense, SILTY GRAVEL WITH SAND, medium to coarse gravel, with silt, and fine to coarse sand, moist, dark brown, non plastic, Roots and wood present	
5.0		SSHS-B890-SUB-4-6 @ 8:50		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, moist, brown, non plastic	3.3
				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse grained, moist, dark brown, non plastic, slight hydrocarbon odor	
				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse grained, moist, dark brown, non plastic, slight hydrocarbon odor	
		SSHS-B890-SUB-6-8 @ 8:55		Stiff, SILT WITH SAND, moist, dark brown, non plastic	8.7
7.5				WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse gravel, with silt, and fine to coarse sand, moist, dark brown	
				No recovery Note: Hit refusal at 8 ft	

Bottom of borehole at 8.0 feet.

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BORING B890 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/17 **COMPLETED** 1/23/17
NORTHING 753739.526 ft **EASTING** 762582.7366 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
7.5		3 ppm SSHS-B890-SUB-8-10		Dense, SILTY GRAVEL, dry to moist, dark gray brown Sandy gray foreign material with black siny black material and red brick	3.4

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BORING B890 (re-drill)

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		118 ppm		Crushed concrete Dense, SILTY SAND, moist, dark brown, red brick present	
		SSHS-B890-SUB-10-12		Loose, WELL GRADED GRAVEL WITH SAND, fine to coarse sand	3.6
				No recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B891

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753721.4584 ft **EASTING** 762620.2366 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		55 ppm SSHS-B891-SUB-0-2		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, with black shiny material (ash), moist to wet, brown	1.7
				SANDY SILT WITH GRAVEL, with black shiny material (ash), dark brown, non plastic, and red brick, soil appears stained	
2.5		19 ppm SSHS-B891-SUB-2-4		SANDY SILT WITH GRAVEL, coarse gravel, with black shiny material (ash), dry to moist, dark brown, non plastic, and crushed red brick	2.5
				Crushed concrete	
		8 ppm SSHS-B891-SUB-4-6		SANDY SILT WITH GRAVEL, SILT, with sand, and fine to coarse gravel, and black shiny material (ash), dry to moist, dark brown to black, and red and yellow brick	1.8
5.0					
		1 ppm SSHS-B891-SUB-6-8		SANDY SILT WITH GRAVEL, SILT, with fine sand, and coarse gravel, and black shiny material (ash), dark brown with orange, increasing amount of black shiny material	1.8
7.5				No recovery	
				Yellow brick	
		SSHS-B891-SUB-8-10		SILTY SAND, with black shiny material (ash), dark brown, and red brick	1.5
				No recovery	

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BORING B891

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		< 1 ppm SSHS-B891-SUB-10-12		Loose, SILTY GRAVEL WITH SAND, fine to coarse gravel, and fine to coarse sand, with silt, moist to wet, dark gray brown, low plasticity, and yellow brick	1.4
				No recovery	
12.5		SSHS-B891-SUB-12-14		Becomes loose, wet, brown	1.8
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B892

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753711.3075 ft **EASTING** 762667.9399 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		22 ppm SSHS-B892-SUB-0-2 @ 8:30		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to medium gravel, dry to moist, tan brown	0.4
				Stiff, SANDY SILT WITH GRAVEL, fine to coarse gravel, dry to moist, dark brown	
2.5		132 ppm SSHS-B892-SUB-2-4 @ 8:35		Becomes with black shiny material (ash), brick and concrete present	0.6
5.0		19 ppm SSHS-B892-SUB-4-6 @ 8:40		Medium dense, black shiny material (ash), dry, dark brown to black	1.2
				Medium dense, SILT, dry, yellow brown, non plastic	
		2 ppm SSHS-B892-SUB-6-8 @ 8:45		Becomes with black shiny material (ash)	0.7
7.5				SANDY SILT WITH GRAVEL, with black shiny material (ash), dark yellow brown	
		2 ppm SSHS-B892-SUB-8-10 @ 8:50		Medium dense, WELL GRADED SAND, with black shiny material (ash), dark yellow brown, low plasticity	0.8
				SILT, moist, yellow tan, low plasticity	

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BORING B892

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		1 ppm SSHS-B892-SUB-10-12 @ 8:55		SANDY SILT WITH GRAVEL, dry to moist, yellow tan, non plastic	0.7
				Becomes low plasticity	
12.5		2 ppm SSHS-B892-SUB-12-14 @ 9:00		Loose, SILTY GRAVEL, fine to coarse gravel, moist, yellow brown	0.3
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B893

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753712.5871 ft **EASTING** 762642.5594 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		32 ppm SSHS-B893-SUB-0-2 @ 10:00		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, with black shiny material (ash), dry to moist, brown, and brick	1.3
2.5		118 ppm SSHS-B893-SUB-2-4 @ 10:05		Medium dense, SANDY SILT, with black shiny material (ash), moist, dark brown, and red brick, soil appears stained Stiff, SANDY SILT WITH GRAVEL, with black shiny material (ash), dry to moist, dark brown, and brick	0.7
5.0		15 ppm SSHS-B893-SUB-4-6 @ 10:10		Black shiny material (ash), black, crushed black material (interpeted to be coal) the size of sand sand silt	0.7
		< 1 ppm SSHS-B893-SUB-6-8 @ 10:15		Medium dense, SILTY GRAVEL WITH SAND, coarse gravel, dry to moist, orange tan, non plastic	1.1
7.5		SSHS-B893-SUB-8-10 @ 10:20		SILT WITH SAND, with black shiny material (ash), dry to moist, dark brown to brown, non plastic	0.6

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BORING B893

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		15 ppm SSHS-B893-SUB-10-12 @ 10:25		WELL GRADED SAND WITH SILT AND GRAVEL, dry to moist, brown, non plastic	1.3
				No recovery	
12.5		5 ppm SSHS-B893-SUB-12-14 @ 10:30		SILT, few gravel, black and brown, non plastic	1.1
				Dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, dry to moist, brown	
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B894

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753810.8119 ft **EASTING** 762704.9936 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry, brown, (TOPSOIL) roots present	
		SSHS-B894-SUB-0-2 @ 10:15		Loose, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse sand, with silt, few coarse gravel, dry, light tan to brown	3.2
				Becomes dense	
2.5				Dense, SILTY SAND WITH GRAVEL, and black shiny material (ash), dark brown, non plastic, Red brick fragments present and soil appears to be locally stained	
		SSHS-B894-SUB-2-4 @ 10:20		Medium dense, SILTY SAND, fine to coarse sand, with silt, and black shiny material (ash), dry, dark brown, Red brick fragments present	2.4
				No recovery	
				Medium dense, WELL GRADED SAND WITH SILT, fine gravel, dry, brown, non plastic	
5.0		SSHS-B894-SUB-4-6 @ 10:25		Medium dense, WELL GRADED SAND WITH SILT, fine to coarse gravel, dry, dark brown to brown, non plastic, hydrocarbon odor present	0.8
		SSHS-B894-SUB-6-8 @ 10:30		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, dark brown to black, Soil appears stained and has an hydro carbon smell	2
7.5				No Recovery	
				Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse sand, dry to moist, dark brown to tan, low plasticity	
		SSHS-B894-SUB-8-10 @ 10:35		CLAYEY GRAVEL WITH SAND, fine to coarse gravel, dry to moist, dark brown, low plasticity, Soil has a hydrocarbon odor.	3.3
				No Recovery	

Bottom of borehole at 10.0 feet.

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BORING B895

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753936.5958 ft **EASTING** 762716.2731 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B895-SUB-0-2		Medium dense, SANDY SILT WITH GRAVEL, coarse sand, with silt, and coarse gravel, dry to moist, light tan, non plastic	1.7
2.5				Medium dense, black shiny material (ash), dry, dark brown, matrix is foriegn material	
		SSHS-B895-SUB-2-4		SILTY SAND WITH GRAVEL	0.7
5.0		SSHS-B895-SUB-4-6		WELL GRADED GRAVEL WITH SAND, black shiny material (ash), dark brown, Yellow brick fragments Becomes Slag present	0.9
		SSHS-B895-SUB-6-8			0.7
7.5				Bottom of borehole at 8.0 feet.	

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BORING B896

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753785.0082 ft **EASTING** 762773.8025 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B896-SUB-0-2 @ 9:10		Medium dense, WELL GRADED SAND, fine to coarse grained, moist, brown	2.8
				Medium dense, WELL GRADED SAND WITH SILT, fine to coarse sand, moist, dark brown, non plastic	
				No recovery	
2.5		SSHS-B896-SUB-2-4 @ 9:15		POORLY GRADED SAND WITH GRAVEL, dry to moist, brown, medium gravel with some brick	6.5
				Loose, WELL GRADED SAND, dry to moist, dark brown, brick present	
				Becomes No recovery	
5.0		SSHS-B896-SUB-4-6 @ 9:20		Medium dense, WELL GRADED GRAVEL WITH SAND, coarse gravel, with fine to coarse sand, dry to moist, gray tan	6
				No recovery	
7.5				Bottom of borehole at 6.0 feet.	

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BORING B897

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753636.1666 ft **EASTING** 762629.2949 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B897-SUB-0-2		Medium dense, WELL GRADED SAND WITH CLAY AND GRAVEL, fine gravel, dry to moist, tan to brown	4.6
2.5		146 ppm SSHS-B897-SUB-2-4		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, tan to brown	4.5
				Black shiny material (ash), dark gray	
		104 ppm SSHS-B897-SUB-4-6		Medium dense, SILTY SAND WITH GRAVEL, some black shiny material (ash), dry, dark gray to black	
5.0				Medium dense, SILTY GRAVEL WITH SAND, coarse gravel, dry, light tan	0.5
				Dense, SANDY SILT WITH GRAVEL, fine gravel, little black shiny material (ash), dry to moist, yellow tan	
		35 ppm SSHS-B897-SUB-6-8		Becomes some black shiny material (ash)	
				Becomes no black shiny material	
7.5				Loose, SILT WITH SAND, fine to coarse sand, dry, gray to brown	1.3
				Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, moist, tan to brown, Note: excess material in 6-8 boring, indicative of 8-10' bgs interval, appears stained and contains black shiny material and wood	
				Bottom of borehole at 8.0 feet.	

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BORING B898

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753752.1473 ft **EASTING** 762560.6501 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B898-SUB-0-2 @ 10:15		Medium dense, WELL GRADED SAND WITH SILT, dry to moist, brown, brick present	13.5
				SANDY SILT, with fine to coarse sand, moist, dark brown	
2.5		21 ppm SSHS-B898-SUB-2-4 @ 10:20		Soft, SANDY SILT WITH GRAVEL, with coarse gravel, dry, light brown	
				Dense, SILTY GRAVEL, with coarse gravel, dry to moist, dark brown, non plastic	10
				No recovery	
		45 ppm SSHS-B898-SUB-4-6 @ 10:25		Loose, GRAVELLY SILT WITH SAND, dry to moist, light gray brown, non plastic	
5.0				SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), dark gray to black, non plastic, hydrocarbon odor	11.9
				Dense, SILTY GRAVEL, with coarse gravel, dry to moist, dark brown, hydrocarbon odor	
		< 1 ppm SSHS-B898-SUB-6-8 @ 10:30		With black shiny material (ash)	
				No recovery	39.5
7.5				Bottom of borehole at 8.0 feet.	

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BORING B899

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753936.5958 ft **EASTING** 762716.2731 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, dry to moist, dark brown, non plastic, TOPSOIL (roots present)	
		SSHS-B899-SUB-0-2 @ 14:15			0.6
				Dense, SANDY SILT, dry to moist, orange brown, non plastic Becomes some gravel	
2.5		SSHS-B899-SUB-2-4 @ 14:20		Loose, WELL GRADED SAND WITH GRAVEL, fine to coarse sand, with medium to coarse gravel, orange brown	0.4
				No recovery	
		SSHS-B899-SUB-4-6 @ 14:25		Medium dense, SANDY SILT WITH GRAVEL, fine to coarse sand, with coarse gravel, dry, orange brown Interpreted as fall back	0.4
5.0				No recovery	
		SSHS-B899-SUB-6-8 @ 14:35		Loose, WELL GRADED SAND WITH GRAVEL, fine to coarse gravel, dry, brown, Gravel increases with depth	1
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

PAULS BH / TP / WELL - DEFAULT.GDT - 2/23/18 16:39 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA_TRIAL_EKB_RE\ELMIRA - MN0832.GPJ

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BORING B900

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753829.9884 ft **EASTING** 762760.5447 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, dark brown, non plastic, silt with roots (soil is frozen)	
		SSHS-B900-SUB-0-2 @ 11:15		Medium dense, WELL GRADED SAND, with black shiny material (ash), dry to moist, dark brown to black	0.3
				No recovery	
2.5				Loose, WELL GRADED SAND, with black shiny material (ash), moist, dark brown	
		SSHS-B900-SUB-2-4 @ 11:20		Medium dense, SILTY GRAVEL WITH SAND, fine to coarse sand, with silt, and coarse gravel, moist, dark brown	0.5
				No recovery	
5.0		SSHS-B900-SUB-4-6 @ 11:25		Loose, WELL GRADED SAND WITH GRAVEL, coarse gravel, moist, dark brown	0.4
				No recovery	
		SSHS-B900-SUB-6-8 @ 11:30		Very stiff, SANDY LEAN CLAY WITH GRAVEL, moist, dark brown, medium plasticity	0.3
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B901

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753800.0902 ft **EASTING** 762779.8885 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT WITH GRAVEL, SILT, with gravel, and roots, dry to moist, brown, non plastic, (TOPSOIL)	
		SSHS-B901-SUB-0-2 @ 8:10		Loose, WELL GRADED SAND WITH SILT, dry, dark brown, non plastic, some brick present	1.9
2.5		SSHS-B901-SUB-2-4 @ 8:15		SILTY SAND WITH GRAVEL, coarse gravel, and black shiny material (ash), moist, light brown to brown	2.4
				No recovery	
		SSHS-B901-SUB-4-6 @ 8:20		Medium dense, WELL GRADED SAND WITH SILT, coarse gravel, dry to moist, dark brown, non plastic	2.5
5.0				No recovery	
				Loose, WELL GRADED SAND WITH SILT, coarse gravel, dry to moist, dark brown, non plastic	
		SSHS-B901-SUB-6-8 @ 8:25		Stiff, GRAVELLY SILT WITH SAND, with fine to coarse sand, and coarse gravel, moist, dark gray brown Becomes black shiny material (ash)	0.5
7.5				Bottom of borehole at 8.0 feet.	

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BORING B902

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry to moist, tan to brown, non plastic, (TOPSOIL) roots	
		SSHS-B902-SUB-0-2 @ 8:15		SANDY SILT, with sand, and black shiny material (ash), few gravel, dark brown with orange, Soil appears to be stained and contains brick	9.2
2.5		SSHS-B902-SUB-2-4 @ 8:20		Loose, SILTY SAND, dry, dark brown, sand is primarly fine with few coarse	1.9
				No Recovery	
				Becomes crushed brick present	
5.0		SSHS-B902-SUB-4-6 @ 8:25		Medium dense, SILTY GRAVEL WITH SAND, fine gravel, with silt, and fine to medium sand, moist, dark brown to brown	1.4
				No recovery	
		SSHS-B902-SUB-6-8 @ 8:30		Stiff, GRAVELLY LEAN CLAY WITH SAND, with fine to coarse gravel, few black shiny material (ash), moist, orange to brown, medium plasticity, brick present	1
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B903

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED _____ **COMPLETED** _____
NORTHING 753739.9459 ft **EASTING** 762812.3261 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, moist, light brown, low plasticity, roots present	
		SSHS-B903-SUB-0-2 @ 8:15		Medium dense, SILTY SAND WITH GRAVEL, coarse gravel, dark brown gray, non plastic, brick present	0.9
				No recovery	
				Red brick	
2.5		SSHS-B903-SUB-2-4 @ 8:20		Becomes medium dense, fine to coarse sand, fine to coarse grained, dry to moist, dark brown, slag	1.3
				Becomes black shiny material (ash)	
				No recovery	
				LEAN CLAY WITH SAND, moist, brown, medium plasticity	
				Loose, WELL GRADED SAND, dry to moist, dark gray, possible slag present	
				Dense, SILTY SAND WITH GRAVEL, fine gravel, moist, brown, low plasticity, some roots present	
5.0		SSHS-B903-SUB-4-6 @ 8:25		No recovery	2.6
				Medium dense, WELL GRADED SAND WITH SILT, moist, dark brown, roots present	
				Dense, WELL GRADED SAND WITH GRAVEL, moist, gray tan	
		SSHS-B903-SUB-6-8 @ 8:30		No recovery	2.5
7.5					

Bottom of borehole at 8.0 feet.

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BORING B904

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753787.2457 ft **EASTING** 762567.6153 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		29 ppm SSHS-B904-SUB-0-2		SILTY GRAVEL WITH SAND, fine to coarse sand, with silt, and fine gravel, dry, tan to brown, non plastic	1.3
2.5		209 ppm SSHS-B904-SUB-2-4		WELL GRADED GRAVEL, dry	0.8
				No recovery	
5.0		1 ppm SSHS-B904-SUB-4-6		WELL GRADED SAND WITH SILT AND GRAVEL, moist, dark brown, non plastic, Soil appears stained with some brick fragments	2.9
		< 1 ppm SSHS-B904-SUB-6-8		Stiff, GRAVELLY LEAN CLAY, clay, with coarse gravel, moist, dark brown to black, low plasticity	1.9
7.5				No recovery	
		9 ppm SSHS-B904-SUB-8-10		Stiff, GRAVELLY LEAN CLAY, clay, with coarse gravel, moist, dark brown to black, low plasticity	5.2
				No recovery	

Bottom of borehole at 10.0 feet.

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BORING B905

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B905-SUB-0-2 @ 9:30		Medium dense, SILTY GRAVEL WITH SAND, moist, brown	1.4
				Medium dense, SILTY SAND, fine gravel, dark brown	
				No recovery	
2.5		SSHS-B905-SUB-2-4 @ 9:35		SILTY SAND WITH GRAVEL, fine gravel, dry to moist, dark brown, low plasticity, soil appears stained with concrete and brick	1.7
				No recovery	
		4 ppm SSHS-B905-SUB-4-6 @ 9:40		SANDY SILT WITH GRAVEL, moist, dark brown, low plasticity	
				Black shiny material (ash)	
5.0				Medium dense, SILTY SAND, few gravel, moist, yellow brown	0.3
				No recovery	
		43 ppm SSHS-B905-SUB-6-8 @ 9:45		Becomes medium dense, few gravel, moist, yellow brown Dense, SILTY SAND WITH GRAVEL, coarse gravel, and black shiny material (ash), dry to moist, dark brown, wood, brick, and staining present	0.7
7.5					
		6 ppm SSHS-B905-SUB-8-10 @ 9:50		Stiff, SANDY SILT WITH GRAVEL, medium to coarse sand, and black shiny material (ash), moist, yellow brown, brick present	0.4
				No recovery	

(Continued Next Page)

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BORING B905

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Dense, SILTY SAND WITH GRAVEL, coarse gravel, and black shiny material (ash), dry to moist, dark brown, wood, brick, and staining present	
		SSHS-B905-SUB-10-12 @ 9:55		Medium dense, SILTY SAND WITH GRAVEL, moist, yellow brown	0.6
				No recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B906

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753754.4964 ft **EASTING** 762598.1828 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B906-SUB-0-2 @ 9:45		Medium dense, WELL GRADED GRAVEL WITH SILT, fine gravel, moist, brown tan, with brick and some asphalt	0.2
				SILTY SAND WITH GRAVEL, coarse gravel, moist, dark brown, non plastic, red brick	
2.5		102 ppm SSHS-B906-SUB-2-4 @ 9:50		Dense, SILTY SAND WITH GRAVEL, fine to coarse grained, dark brown, non plastic, appears locally stained with crushed bred brick	2.1
5.0		34 ppm SSHS-B906-SUB-4-6 @ 9:55		WELL GRADED GRAVEL WITH SILT AND SAND, dry to moist, brown, non plastic	2
				No recovery	
		39 ppm SSHS-B906-SUB-6-8 @ 10:00		Becomes medium dense, and black shiny material (ash), moist, brown	
7.5				No recovery Note: Hit refusal at 7 1/2 ft bgs	1.4
				Bottom of borehole at 8.0 feet.	

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BORING B906 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/24/18 **COMPLETED** 1/24/18
NORTHING 753754.4964 ft **EASTING** 762598.1828 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5					
5.0				Loose, SILTY SAND, fine to coarse grained, dry to moist, dark brown	
		39 ppm SSHS-B906-SUB-6-8		Loose, WELL GRADED GRAVEL WITH SAND, GRAVEL, with fine to coarse sand, moist, dark brown	4.5
7.5				Loose, WELL GRADED SAND, black shiny material (ash), fine to coarse grained, dry to moist, gray to black, Red Brick present	
				Stiff, SILT WITH GRAVEL, SILT, with fine gravel, moist, dark brown, non plastic, HIT REFUSAL AT APPROXIMATELY 8.5 FT BGS	2.9

Bottom of borehole at 10.0 feet.

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BORING B907

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753717.9742 ft **EASTING** 762761.4239 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B907-SUB-0-2 @ 9:15		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, dry to moist, light tan brown	3.5
2.5		51 ppm SSHS-B907-SUB-2-4 @ 9:20		WELL GRADED SAND WITH SILT, dry, dark brown to black, silt and sand is composed primarly of black shiny material	1.8
				Loose, WELL GRADED SAND, dry, dark gray, foreign material	
5.0		SSHS-B907-SUB-4-6 @ 9:25		Stiff, SILT WITH SAND, wet, yellow to orange, low plasticity	1.9
				Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, orange gray	
		< 1 ppm SSHS-B907-SUB-6-8 @ 9:30		Stiff, SILT, moist, gray, non plastic	1.8
7.5				Stiff, SILT, moist, orange brown, non plastic	
				WELL GRADED SAND WITH SILT, dry, dark brown to black, silt and sand is composed primarly of black shiny material	
		SSHS-B907-SUB-8-10 @ 9:35		Stiff, SILT, moist, orange brown, non plastic	0.6
				Stiff, GRAVELLY SILT WITH SAND, moist, orange	

Bottom of borehole at 10.0 feet.

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BORING B908

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753669.6967 ft **EASTING** 762785.0328 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, dark brown, non plastic	
		SSHS-B908-SUB-0-2		SANDY SILT WITH GRAVEL, moist, dark brown, non plastic	0.7
				No recovery	
2.5		SSHS-B908-SUB-2-4		Black shiny material (ash), dry, dark black, (fill), material is the size of fine to coarse sand	1.3
				Black shiny material (ash), dark brown, (fill), slag material and black shiny material (coal) apppears crushed and resembles fine grained sand.	
5.0		SSHS-B908-SUB-4-6			1.4
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B909

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753606.7802 ft **EASTING** 762614.5607 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry to moist, brown, non plastic, (TOPSOIL)	
		SSHS-B909-SUB-0-2 @ 10:55		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, brown, low plasticity	4.5
				No Recovery	
2.5		SSHS-B909-SUB-2-4 @ 11:00		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, brown, low plasticity	
				Medium dense, WELL GRADED SAND WITH GRAVEL, moist, dark gray black, soil appears stained	4.6
				No Recovery	
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B910

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753604.0538 ft **EASTING** 762598.6028 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry to moist, dark brown, non plastic, grass and roots present	
		SSHS-B910-SUB-0-2 @ 10:30		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, moist, brown	0.8
				No recovery	
2.5				Stiff, GRAVELLY SILT WITH SAND, silt, with fine to coarse gravel, and fine to coarse sand, moist, yellow brown	
		SSHS-B910-SUB-2-4 @ 10:35		Medium stiff, GRAVELLY LEAN CLAY WITH SAND, moist, yellow brown, medium plasticity	0.8
				Becomes No recovery	
5.0		SSHS-B910-SUB-4-6 @ 10:40		WELL GRADED SAND WITH GRAVEL, with black shiny material (ash), moist, dark gray to brown, brick present, soil appears stained	0.4
				No recovery	
7.5				Bottom of borehole at 6.0 feet.	

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BORING B911

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753629.4704 ft **EASTING** 762582.5103 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B911-SUB-0-2 @ 13:50		Loose, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse sand, dry to moist, brown	2.6
2.5		< 1 ppm SSHS-B911-SUB-2-4 @ 13:55		SANDY SILT WITH GRAVEL, fine to coarse gravel, moist, gray to brown, low plasticity	
				Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, brown, non plastic	1.3
5.0		SSHS-B911-SUB-4-6 @ 14:00			2.2
				Medium stiff, SANDY SILT WITH GRAVEL, coarse gravel, dry to moist, dark gray brown, non plastic	
		3 ppm SSHS-B911-SUB-6-8 @ 14:05		SILTY SAND, fine to coarse sand, with silt, and black shiny material (ash), orange brown, non plastic	
				SILT, dry to moist, dark gray brown, non plastic, with brick	
7.5				SILT, few black shiny material (ash), orange brown, non plastic, soil appears stained	1.5
				Loose, WELL GRADED SAND WITH GRAVEL, dry to moist, orange brown	
		SSHS-B911-SUB-8-10 @ 14:10		Stiff, SILT WITH GRAVEL, coarse gravel, dry to moist, brown, non plastic	1.4
				Medium dense, WELL GRADED SAND WITH GRAVEL, dry to moist, orange black	

Bottom of borehole at 10.0 feet.

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BORING B912

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753704.0339 ft **EASTING** 762595.837 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B912-SUB-0-2 @ 13:00		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, moist, tan brown	1.2
				No recovery	
2.5		44 ppm SSHS-B912-SUB-2-4 @ 13:05		Medium dense, SILT WITH SAND, dry to moist, dark brown, non plastic, yellow brick present	
				SILTY SAND WITH GRAVEL, fine gravel, some black shiny material (ash), moist, black, soil appears stained, has a hydrocarbon odor, roots, and wood present	6
				SILTY SAND WITH GRAVEL, fine to coarse gravel, dark brown, low plasticity	
				No recovery	
				Loose, WELL GRADED GRAVEL WITH SAND, fine to coarse sand, wet, dark brown, hydrocarbon odor	
5.0		SSHS-B912-SUB-4-6 @ 13:10		Medium dense, SILTY GRAVEL, fine to coarse grained, dry to moist, brown tan, non plastic	2.2
				No recovery	
		SSHS-B912-SUB-6-8 @ 13:15		Loose, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to coarse gravel, wet, dark brown	2.1
7.5				Dense, WELL GRADED SAND, with black shiny material (ash), moist to wet, black, soil appears stained Note: Hit refusal at 8 ft (concrete in shoe)	

Bottom of borehole at 8.0 feet.

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BORING B913

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753695.9926 ft **EASTING** 762560.8174 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B913-SUB-0-2 @ 9:45		WELL GRADED SAND WITH GRAVEL, fine to coarse gravel, moist, brown	3
				Medium dense, POORLY GRADED SAND WITH GRAVEL, fine sand, with fine to coarse gravel, moist, dark brown	
2.5		23 ppm SSHS-B913-SUB-2-4 @ 9:50		Loose, SILTY GRAVEL WITH SAND, dry to moist, tan brown, brick present @ 2.6 to 3.25 material becomes dark gray	3.5
				No recovery	
		SSHS-B913-SUB-4-6 @ 9:55		Medium dense, SILTY GRAVEL, fine gravel, with silt, and fine to coarse sand, dry to moist, brown, non plastic	5.2
5.0				SILTY GRAVEL, dry to moist, dark brown	
		6 ppm SSHS-B913-SUB-6-8 @ 10:00		Stiff, SANDY SILT WITH GRAVEL, dry to moist, black, brick present, soil appears stained	
				Crushed concrete	
				Stiff, SANDY SILT WITH GRAVEL, dry to moist, black, black shiny material and wood present	2.2
7.5				No recovery	
		SSHS-B913-SUB-8-10 @ 10:05		Loose, SILTY SAND, fine to medium sand, dry to moist, dark gray and brown	
				No recovery	3.7

Bottom of borehole at 10.0 feet.

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BORING B913 (re-drilled)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753695.9926 ft **EASTING** 762560.8174 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5		23 ppm SSHS-B913-SUB-2-4		SILTY GRAVEL, dry to moist, gray to brown, some crushed brick	
				SILT WITH GRAVEL, SILT, with coarse gravel, some black shiny material (ash), dark brown to black, some crushed brick	4.6
				No Recovery	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B914

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753852.1209 ft **EASTING** 762627.8087 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, moist, brown, non plastic, roots present (TOPSOIL)	
		SSHS-B914-SUB-0-2 @ 8:15		Loose, SILTY SAND WITH GRAVEL, fine to coarse gravel, dry to moist, gray brown	1.1
				No recovery	
2.5		SSHS-B914-SUB-2-4 @ 8:20		Loose, SILTY SAND WITH GRAVEL, fine to coarse gravel, with black shiny material (ash), dry to moist, gray brown, some crushed brick through out	3.2
				No recovery	
		SSHS-B914-SUB-4-6 @ 8:25		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine to coarse gravel, moist, dark brown, some brick and black and shiny material	1.5
5.0				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B915

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753829.4077 ft **EASTING** 762627.7497 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
				Medium dense, SILTY SAND, black shiny material (ash), fine to coarse grained, moist, dark brown to brown, non plastic	
		SSHS-B915-SUB-0-2 @ 13:50		SANDY SILT WITH GRAVEL, fine gravel, moist, gray to tan, low plasticity, and brick	3.6
2.5		9.1 ppm SSHS-B915-SUB-2-4 @ 13:55		Dense, SILTY GRAVEL WITH SAND, fine gravel, with silt, and fine sand, dry to moist, light brown	3.4
				No recovery	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B916

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753771.0285 ft **EASTING** 762599.3508 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B916-SUB-0-2 @ 14:25		Medium dense, WELL GRADED GRAVEL WITH SILT, fine to coarse gravel, and black shiny material (ash), moist, tan brown	0.5
				Medium dense, SILTY GRAVEL WITH SAND, medium to coarse sand, moist, dark brown, low plasticity	
2.5		87 ppm SSHS-B916-SUB-2-4 @ 14:30			
				Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, dry, yellow tan	0.6
				Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse sand, and black shiny material (ash), moist, dark gray brown, low plasticity, with brick	
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B917

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753686.6258 ft **EASTING** 762628.9406 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B917-SUB-0-2 @ 10:30		Medium dense, WELL GRADED SAND WITH SILT, dry to moist, tan brown, non plastic	8.4
2.5	83	SSHS-B917-SUB-2-4 @ 10:35		SANDY SILT WITH GRAVEL, with black shiny material (ash), moist, dark brown to black, and brick	5
				Becomes soil appears stained, contains yellow brick	
5.0	12	SSHS-B917-SUB-4-6 @ 10:40		SILTY SAND, with black shiny material (ash), dry, dark brown, black shiny material is abundant (interpreted to be coal)	1.5
		SSHS-B917-SUB-6-8 @ 10:45		Stiff, SILT, black and brown, non plastic	0.8
7.5				Medium dense, SANDY SILT, some gravel, with black shiny material (ash), dry, dark brown, and crushed red brick	
		SSHS-B917-SUB-8-10 @ 10:50		Medium stiff, SILT WITH GRAVEL, fine gravel, moist, orange brown	0.2

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BORING B917

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				SANDY SILT, with black shiny material (ash), dry to moist, dark brown	
		SSHS-B917-SUB-10-12 @ 10:55		Medium dense, SILTY GRAVEL WITH SAND, dry to moist, yellow tan	1.2
				No recovery	
12.5		4 ppm SSHS-B917-SUB-12-14 @ 11:00		Medium dense, SILTY GRAVEL WITH SAND, dry to moist, yellow tan, low plasticity	1.6
				No recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B918

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753686.826 ft **EASTING** 762719.6983 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B918-SUB-0-2 @ 13:55		Medium dense, WELL GRADED SAND, dry to moist, brown	9.9
				Stiff, SANDY SILT WITH GRAVEL, fine gravel, with black shiny material (ash), dry to moist, dark brown, low plasticity, and brick	
2.5		SSHS-B918-SUB-2-4 @ 14:00		SILTY SAND, with black shiny material (ash), dry to moist, very dark brown to black, low plasticity, (black material interpreted to be coal)	6.8
				SILT WITH GRAVEL, fine to coarse grained, moist, dark brown, non plastic, yellow brick	
				No recovery	
				SILT WITH GRAVEL, with black shiny material (ash), fine to coarse grained, moist, dark brown, non plastic, yellow brick	
5.0		SSHS-B918-SUB-4-6 @ 14:05		LEAN CLAY WITH SAND, and black shiny material (ash), dark black, appears stained	5.6
				No recovery	
				Loose, WELL GRADED SAND, with black shiny material (ash), dry to moist, dark gray, and slag clasts	
7.5		SSHS-B918-SUB-6-8 @ 14:10		Stiff, SILT, moist, orange brown, low plasticity	1.7
				Becomes orange black	
		SSHS-B918-SUB-8-10 @ 14:15		Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse gravel, with fine to coarse sand, and silt, dry to moist, orange to tan, non plastic	2.1
				No recovery	

Bottom of borehole at 10.0 feet.

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BORING B919

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753738.5516 ft **EASTING** 762682.2345 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
				Medium dense, WELL GRADED SAND WITH GRAVEL, moist, light brown	
		SSHS-B919-SUB-0-2		Medium dense, WELL GRADED SAND WITH SILT, and black shiny material (ash), moist, dark brown	3.4
				Brick present	
				Dense, black shiny material (ash), dry to moist, dark brown, sand and silt size grains	
				Becomes brick	
2.5				Loose, SILTY GRAVEL, with black shiny material (ash), dry, gray brown	
		SSHS-B919-SUB-2-4		Soft, SANDY SILT WITH GRAVEL, dry, orange	2.4
				Loose, SANDY SILT WITH GRAVEL, with black shiny material (ash), dry, light brown tan	
				No recovery	
				Medium dense, SILTY SAND WITH GRAVEL, dry to moist, dark brown, and brick	
5.0		SSHS-B919-SUB-4-6			3.8
				No recovery	
		30 ppm SSHS-B919-SUB-6-8		Becomes moist	
				SILTY GRAVEL, fine to coarse grained, dry to moist, tan gray, non plastic	
				No recovery	3.7
7.5					
				Soft, SANDY SILT WITH GRAVEL, dry to moist, dark brown, non plastic	
				SILTY SAND, light gray, concrete	
		SSHS-B919-SUB-8-10		SILT WITH GRAVEL, moist, light tan, non plastic	2.1
				No recovery	

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BORING B919

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		2 ppm SSHS-B919-SUB-10-12		SILT WITH GRAVEL, moist, light tan, non plastic	
				Loose, WELL GRADED GRAVEL WITH SAND, fine to medium sand, dry to moist, orange brown	2.3
				No recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B920

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753714.9938 ft **EASTING** 762705.0337 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		< 1 ppm SSHS-B920-SUB-0-2 @ 13:30		SILTY GRAVEL WITH SAND, fine to coarse gravel, tan brown, low plasticity	0.7
2.5		45 ppm SSHS-B920-SUB-2-4 @ 13:35		Medium dense, CLAYEY SAND WITH GRAVEL, fine to coarse gravel, with black shiny material (ash), moist, dark brown	
				Medium dense, SILTY SAND, moist, dark brown, low plasticity, brick	0.2
				Medium dense, SILT WITH SAND, coarse gravel, with black shiny material (ash), moist, tan brown	
5.0		19 ppm SSHS-B920-SUB-4-6 @ 13:40		CLAYEY SAND WITH GRAVEL, SAND, with clay, and fine to coarse gravel, and black shiny material (ash), dark gray black, low plasticity, brick	0.6
		13 ppm SSHS-B920-SUB-6-8 @ 13:45		Dense, SILTY SAND WITH GRAVEL, orange tan, non plastic	
				Medium dense, SILTY SAND, with black shiny material (ash), dry to moist, dark gray black	0.5
7.5				Becomes No recovery	
				Becomes medium dense, with black shiny material (ash), dry to moist, dark gray black	
		4 ppm SSHS-B920-SUB-8-10 @ 13:50		Stiff, LEAN CLAY, moist, yellow brown	
				Medium stiff, SILT WITH SAND, moist, yellow brown, non plastic	0.3
				No recovery	

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BORING B920

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		7 ppm SSHS-B920-SUB-10-12 @ 13:55		Stiff, CLAYEY SAND, moist, dark brown, medium plasticity	
				WELL GRADED SAND WITH SILT AND GRAVEL, coarse gravel, moist, orange brown, non plastic	0.8
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B921

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753755.4872 ft **EASTING** 762529.2591 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B921-SUB-0-2 @ 9:45		Loose, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, tan brown, non plastic	3.1
				Becomes No recovery Becomes wet	
2.5				Becomes dark brown, soil appears stained	
		SSHS-B921-SUB-2-4 @ 9:50		Becomes loose, fine to coarse gravel, dry to moist, tan brown, non plastic	0.6
				Loose, WELL GRADED GRAVEL, dry, tan brown	
				Medium dense, WELL GRADED SAND WITH SILT, fine to coarse sand, with silt, and fine gravel, dry to moist, tan brown	
5.0		SSHS-B921-SUB-4-6 @ 9:55		No recovery Note: Hit refusal only made it to 5 1/2 ft bgs	3.3
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B922

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753732.5378 ft **EASTING** 762528.3962 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B922-SUB-0-2 @ 10:40		Loose, WELL GRADED SAND WITH SILT, fine to coarse sand, with silt, dry to moist, tan brown	11.3
2.5		SSHS-B922-SUB-2-4 @ 10:45		WELL GRADED SAND WITH SILT, moist, dark gray brown, non plastic, brick present Note: Hit conrete and refusal at 3ft. Two (2) attempts were made.	
				Bottom of borehole at 3.0 feet.	6.4
5.0					
7.5					

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BORING B923

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753852.8328 ft **EASTING** 762592.6973 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B923-SUB-0-2 @ 14:20		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse gravel, dry to moist, tan	2.6
				Becomes dark brown	
2.5		92 ppm SSHS-B923-SUB-2-4 @ 14:25		Brick Becomes dense, coarse gravel, moist, dark brown, low plasticity, some staining	1.2
				Becomes No Recovery	
		27 ppm SSHS-B923-SUB-4-6 @ 14:30		Brick present Dense, SILTY SAND WITH GRAVEL, coarse gravel, moist, dark brown, low plasticity, some staining Loose, WELL GRADED GRAVEL, dry, tan Medium dense, SILTY SAND, fine to medium sand, dry to moist, dark brown, with wood and brick	2.2
5.0				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B924

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753661.3667 ft **EASTING** 762552.3299 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B924-SUB-0-2 @ 13:30		Medium dense, WELL GRADED SAND WITH SILT, moist, brown	4.3
				No recovery	
2.5				Medium dense, SILTY SAND WITH GRAVEL, coarse gravel, moist, dark brown, low plasticity	
		SSHS-B924-SUB-2-4 @ 13:35		SILTY SAND WITH GRAVEL, fine to coarse gravel, and black shiny material (ash), dark gray with brown, some brick	5.3
				WELL GRADED SAND, and black shiny material (ash), dark brown to black, some crushed brick, wood, and soil appears stained	
5.0		SSHS-B924-SUB-4-6 @ 13:40		No recovery	5.2
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B925

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753838.909 ft **EASTING** 762643.4878 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B925-SUB-0-2		Loose, SILTY SAND WITH GRAVEL, SAND, with silt, and fine gravel, dry to moist, light tan brown	2.8
2.5		SSHS-B925-SUB-2-4		SILTY SAND, some gravel, and black shiny material (ash), dry to moist, dark brown, brick present in matrix	5.7
				No recovery	
5.0		SSHS-B925-SUB-4-6		Becomes black shiny material (ash), no brick	3.9
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B926

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753825.7004 ft **EASTING** 762668.1269 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B926-SUB-0-2 @ 14:25		Loose, WELL GRADED SAND WITH GRAVEL, fine gravel, moist, brown	96.5
2.5		SSHS-B926-SUB-2-4 @ 14:30		SILT WITH GRAVEL, coarse gravel, dry to moist, dark brown, low plasticity Becomes moist	21.6
				No recovery	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B927

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753701.2255 ft **EASTING** 762801.6863 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, dry to moist, brown, non plastic, (TOPSOIL)	
		SSHS-B927-SUB-0-2 @ 11:50		Loose, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse gravel, moist, brown	0.8
2.5				Medium dense, POORLY GRADED SAND, with black shiny material (ash), moist, yellow orange, black shiny material is interbedded	
		SSHS-B927-SUB-2-4 @ 11:55		Loose, black shiny material (ash), dry, dark gray, coal is fine to coarse (sand size)	1.8
				Becomes No recovery	
5.0		SSHS-B927-SUB-4-6 @ 12:00		Becomes black shiny material (ash), slag, brick, and coal	1.9
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B928

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753848.0461 ft **EASTING** 762724.4358 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B928-SUB-0-2 @ 13:30		Loose, WELL GRADED SAND WITH GRAVEL, coarse gravel, dry to moist, tan brown	5.6
				Soft, SILTY SAND, wet, dark brown	
2.5		SSHS-B928-SUB-2-4 @ 13:35		SILTY SAND WITH GRAVEL, fine to coarse gravel, dry, dark brown, crushed brick present	4.1
		19 ppm		No recovery	
				Loose, WELL GRADED GRAVEL WITH SAND, dry, light gray, crushed concrete present	
5.0		SSHS-B928-SUB-4-6 @ 13:40		No recovery	3.8
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B929

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753833.2594 ft **EASTING** 762683.4287 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B929-SUB-0-2 @ 16:10		Loose, WELL GRADED SAND WITH SILT AND GRAVEL, dry, tan brown	0.2
				No recovery	
2.5		SSHS-B929-SUB-2-4 @ 16:15		Soft, SILTY GRAVEL, coarse gravel, dry, dark brown	0.1
				Loose, SILTY GRAVEL WITH SAND, coarse gravel, with fine to coarse sand, and black shiny material (ash), dry, brown, medium plasticity	
5.0		SSHS-B929-SUB-4-6 @ 16:20		Becomes very loose, dry, dark brown	0.1
				SANDY LEAN CLAY WITH GRAVEL, fine to coarse sand, dark brown, medium plasticity, Note: Excess material was thrown out.	
7.5				Bottom of borehole at 6.0 feet.	

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BORING B930

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753768.8927 ft **EASTING** 762653.4091 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B930-SUB-0-2 @ 14:45		Medium dense, SILTY SAND WITH GRAVEL, coarse sand, moist, dark gray to brown	0.9
				No recovery	
2.5		SSHS-B930-SUB-2-4 @ 14:50		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, moist, dark brown	1.3
				Medium dense, WELL GRADED SAND WITH GRAVEL, dry to moist, tan gray	
				Becomes and black shiny material (ash)	
5.0		SSHS-B930-SUB-4-6 @ 14:55		Medium dense, SILTY SAND WITH GRAVEL, fine to medium sand, with black shiny material (ash), moist, dark brown, low plasticity	
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B930 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753768.8927 ft **EASTING** 762653.4091 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
		SSHS-B930-SUB-6-8		Loose, SILTY GRAVEL, fine to coarse gravel, fine to coarse grained, dry to moist, dark brown to brown, low plasticity, crushed brick present	2.7
7.5				Dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, some black shiny material (ash), moist, brown, crushed brick Increasing abundance of black shiny material and red brick	
		SSHS-B930-SUB-8-10			2.7
				No recovery	

Bottom of borehole at 10.0 feet.

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BORING B931

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753668.8765 ft **EASTING** 762720.2134 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
	13	SSHS-B931-SUB-0-2		WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse sand, and fine to coarse gravel, dry to moist, tan to brown	2.1
	ppm				
2.5		SSHS-B931-SUB-2-4		Medium dense, WELL GRADED SAND WITH SILT, few black shiny material (ash), dry, dark brown	2.6
				WELL GRADED SAND, and black shiny material (ash), (abundant black shiny material)	
	12			Stiff, SILT WITH GRAVEL, and coarse gravel, few black shiny material (ash), moist, dark brown	
	ppm			Stiff, SILT WITH GRAVEL, fine to coarse gravel, moist, orange brown	
5.0		SSHS-B931-SUB-4-6		WELL GRADED SAND WITH SILT, black, sand and silt is composed of foreign material	3.8
		SSHS-B931-SUB-6-8		Very stiff, LEAN CLAY, moist, dark gray to brown, medium plasticity	2.6
7.5				Medium dense, SILTY GRAVEL, fine to coarse gravel, dry to moist, orange, non plastic	
				Bottom of borehole at 8.0 feet.	

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BORING B932

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753691.5077 ft **EASTING** 762705.2036 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		< 1 ppm SSHS-B932-SUB-0-2 @ 15:30		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse sand, with silt, and fine gravel, dry to moist, tan	2.1
				Becomes No recovery	
2.5		165 ppm SSHS-B932-SUB-2-4 @ 15:35		Medium dense, SILTY SAND, few gravel, black shiny material (ash), moist, dark brown, non plastic	1.2
				Soft, SILT, dry, tan to brown	
5.0		28 ppm SSHS-B932-SUB-4-6 @ 15:40		Soft, LEAN CLAY WITH GRAVEL, tan brown, medium plasticity	14.2
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B932 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/24/18 **COMPLETED** 1/24/18
NORTHING 753691.5077 ft **EASTING** 762705.2036 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5		SSHS-B932-SUB-2-4		Stiff, SANDY SILT WITH GRAVEL, trace black shiny material (ash), dry to moist, dark brown, trace red brick fragments, excess 10" in boring removed from sample and not included in description	0.3
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B933

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753697.8955 ft **EASTING** 762651.6112 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		24 ppm SSHS-B937-SUB-0-2		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, dry to moist, brown	34.5
				SILT WITH GRAVEL, fine to coarse gravel, some black shiny material (ash), moist, dark brown, non plastic	
2.5		309 ppm SSHS-B937-SUB-2-4		Stiff, SANDY SILT WITH GRAVEL, with black shiny material (ash), dry to moist, dark brown to black, non plastic, brick (yellow) present	6.2
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B934

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, dry to moist, brown, (TOPSOIL) with roots present	
		SSHS-B934-SUB-0-2 @ 8:45		Medium dense, SILTY SAND WITH GRAVEL, SAND, with silt, and fine to coarse gravel, with black shiny material (ash), dry, tan to brown	0.6
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B935

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753639.2211 ft **EASTING** 762714.3637 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B935-SUB-0-2 @ 8:55		SILT, dry to moist, brown, non plastic, (TOPSOIL) with roots present	1.2
				Medium dense, SILTY SAND WITH GRAVEL, coarse gravel, dry, dark brown, (fine black shiny material)	
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B936

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753845.5231 ft **EASTING** 762609.3409 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B936-SUB-0-2 @ 11:10		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, dry, light brown	0.8
2.5		40 ppm SSHS-B936-SUB-2-4 @ 11:15		Medium dense, SILTY SAND WITH GRAVEL, dark brown Becomes black shiny material (ash), Some brick present	0.7
				Red brick	
				Medium dense, SILTY SAND WITH GRAVEL, dark brown	
5.0		SSHS-B936-SUB-4-6 @ 11:20		Brick and gravel	0.6
				No Recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B937

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753773.5285 ft **EASTING** 762590.3843 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B937-SUB-0-2 @ 11:20		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, dry to moist, brown	1.6
2.5		SSHS-B937-SUB-2-4 @ 11:25		Medium dense, SILT WITH GRAVEL, with black shiny material (ash), fine to coarse grained, moist, dark brown, non plastic Stiff, SANDY SILT WITH GRAVEL, with black shiny material (ash), dry to moist, dark brown to black, non plastic, and yellow brick	2.8
5.0		SSHS-B937-SUB-4-6 @ 11:30 37 ppm		No recovery	3.3
7.5				Bottom of borehole at 6.0 feet.	

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BORING B938

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753742.2819 ft **EASTING** 762592.566 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B938-SUB-0-2 @ 15:30 253 ppm		Dense, WELL GRADED SAND WITH GRAVEL, fine gravel, dry, tan brown	0.9
				No recovery	
2.5		4 ppm SSHS-B938-SUB-2-4 @ 15:35		Medium dense, SILTY SAND WITH GRAVEL, dry, dark brown, brick present	0.8
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B938 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753742.2819 ft **EASTING** 762592.566 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5				WELL GRADED SAND WITH GRAVEL, fine to coarse sand, with fine gravel, wet, dark brown	
5.0		SSHS-B938-SUB-4-6 @ 9:45		POORLY GRADED SAND WITH GRAVEL, fine gravel, moist, dark brown	1
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B939

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753624.5557 ft **EASTING** 762618.8717 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
		SSHS-B939-SUB-0-2		Asphalt Loose, WELL GRADED SAND, trace gravel, dry to moist, tan brown	2.8	0.0
2.5		116 ppm SSHS-B939-SUB-2-4		No recovery Loose, WELL GRADED SAND WITH SILT AND GRAVEL, dry to moist, tan brown Dense, WELL GRADED SAND WITH SILT AND GRAVEL, and black shiny material (ash), dry to moist, dark gray	4	2.5
				Bottom of borehole at 4.0 feet.		
5.0						
7.5						

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BORING B939 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753624.5557 ft **EASTING** 762618.8717 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5		3 ppm SSHS-B939-SUB-6-8		Loose, WELL GRADED SAND, fine to coarse grained, wet, dark brown	
				WELL GRADED GRAVEL, fine to coarse gravel, with fine to medium sand, wet, dark brown, some red brick present	2.1
5.0				No Recovery	
7.5				Bottom of borehole at 8.0 feet.	

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BORING B940

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753614.3031 ft **EASTING** 762632.52 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, moist, dark brown, non plastic, grass roots present	
		SSHS-B940-SUB-0-2 @ 10:55		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, moist, dark brown, non plastic	2.4
				No recovery	
2.5		262 ppm SSHS-B940-SUB-2-4 @ 11:00		Medium dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, moist, dark brown, non plastic, gravel increases with depth	4.3
				No recovery	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B941

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753657.2591 ft **EASTING** 762660.3349 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B941-SUB-0-2 @ 14:30		Loose, SILTY GRAVEL WITH SAND, coarse gravel, dry to moist, light tan	0.3
				Dense, SANDY SILT, dry to moist, dark brown, non plastic, brick present, soil appears stained	
2.5		43 ppm SSHS-B941-SUB-2-4 @ 14:35		Becomes medium dense, with black shiny material (ash), brick and pulverized concrete present	0.2
		16 ppm SSHS-B941-SUB-4-6 @ 14:40		Becomes loose	
5.0				Becomes black shiny material (ash), no brick	0.2
				Dense, GRAVELLY SILT, coarse gravel, dry to moist, orange tan, plasticity unknown (frozen)	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B942

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753732.2622 ft **EASTING** 762722.7921 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY GRAVEL WITH SAND, coarse gravel, dry to moist, tan	
		SSHS-B942-SUB-0-2 @ 14:50		Dense, SILTY GRAVEL WITH SAND, and black shiny material (ash), moist, dark brown, low plasticity, brick present	0.6
				Becomes No recovery	
2.5		SSHS-B942-SUB-2-4 @ 14:55		Medium dense, SILTY GRAVEL WITH SAND, with black shiny material (ash), dry to moist, light gray	0.1
				Black shiny material (ash), dark gray black, black material interpreted to by coal, brick also present	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B942 (re-drill)

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/24/18 **COMPLETED** 1/24/18
NORTHING 753732.2622 ft **EASTING** 762722.7921 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
7.5		SSHS-B942-SUB-8-10		Loose, WELL GRADED SAND WITH GRAVEL, SAND, with fine to coarse gravel, and black shiny material (ash), dry to moist, orange and tan	
				Loose, WELL GRADED GRAVEL WITH SILT AND SAND, fine to coarse grained, dry to moist, dark brown to black, non plastic	0.2
				Stiff, SILT, dry to moist, gray and brown, non plastic	

Bottom of borehole at 10.0 feet.

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BORING B943

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753677.2066 ft **EASTING** 762763.3367 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B943-SUB-0-2 @ 15:55		Loose, WELL GRADED SAND WITH GRAVEL, fine to coarse gravel, moist, tan brown, brick present	1.6
				No recovery	
2.5		10 ppm SSHS-B943-SUB-2-4 @ 16:00		Dense, SILTY SAND WITH GRAVEL, dry to moist, tan brown	0.8
5.0				SANDY SILT, black shiny material (ash), dark gray to black, Note: This is below the proposed sample depth	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B944

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753640.6942 ft **EASTING** 762669.367 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B944-SUB-0-2		Medium dense, WELL GRADED SAND WITH GRAVEL, fine to coarse sand, with fine gravel, dry to moist, brown	1.1
2.5				SILTY SAND WITH GRAVEL, fine gravel, moist, dark brown to black, with red brick, soil appears stained	
		SSHS-B944-SUB-2-4		SANDY SILT WITH GRAVEL, fine gravel, dry, brown	
				Medium dense, SILT WITH GRAVEL, fine gravel, and black shiny material (ash), dry to moist, dark black, with red brick	2.7
		49.6 ppm			
5.0		SSHS-B944-SUB-4-6		Medium dense, SILTY SAND WITH GRAVEL, and black shiny material (ash), dry to moist, black orange	1.2
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B945

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753639.4999 ft **EASTING** 762687.9891 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		179 ppm SSHS-B945-SUB-0-2 @ 12:45		SILT, dark brown, non plastic, grass roots present	
				Loose, WELL GRADED SAND, moist, brown	
				SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), moist, dark brown, low plasticity, brick present	2.8
				No recovery	
		380 ppm SSHS-B945-SUB-2-4 @ 12:50		SILTY SAND WITH GRAVEL, fine gravel, with black shiny material (ash), moist, dark brown, low plasticity, brick present	
2.5				Dense, SILTY SAND WITH GRAVEL, with black shiny material (ash), moist, dark brown	
				Dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, brown, non plastic	4.8
				No recovery	
		1 ppm SSHS-B945-SUB-4-6 @ 12:55		Dense, SILTY SAND WITH GRAVEL, fine to coarse gravel, brown, non plastic	
				Very stiff, SILT WITH GRAVEL, moist, light orange tan, low plasticity	
5.0					4.1
		11 ppm		LEAN CLAY WITH SAND, moist, light orange tan, medium plasticity	
				Very stiff, SILT WITH GRAVEL, moist, light orange tan, low plasticity	
7.5					

Bottom of borehole at 8.0 feet.

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BORING B946

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753628.542 ft **EASTING** 762662.5232 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		7 ppm SSHS-B946-SUB-0-2 @ 11:35		SILT, dry to moist, dark brown to brown, non plastic, roots in upper 5"	3.4
				Medium dense, SILTY GRAVEL WITH SAND, fine to coarse gravel, with silt, and fine to coarse sand, moist, dark brown, low plasticity	
2.5		186 ppm SSHS-B946-SUB-2-4 @11:35		Dense, SILTY SAND WITH GRAVEL, coarse gravel, some black shiny material (ash), moist, dark brown, low plasticity, yellow brick present	3.8
				No recovery	
		41 ppm SSHS-B946-SUB-4-6 @11:35		Dense, SILTY SAND WITH GRAVEL, coarse gravel, some black shiny material (ash), moist, dark brown, low plasticity, yellow brick present	
5.0				Dense, black shiny material (ash), non plastic, black coal mirrors the size of SM-SW	2.8
				Medium dense, SILTY SAND WITH GRAVEL, coarse gravel, dry to moist, orange	
				No recovery	
		< 1 ppm SSHS-B946-SUB-6-8 @11:35		Medium dense, SILTY SAND WITH GRAVEL, coarse gravel, dry to moist, orange	
				Black shiny material (ash)	
7.5				LEAN CLAY, moist, light tan brown, medium plasticity	3

Bottom of borehole at 8.0 feet.

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BORING B947

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753765.8219 ft **EASTING** 762725.5579 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Crushed asphalt	
		SSHS-B947-SUB-0-2 @ 14:30		Medium dense, WELL GRADED SAND WITH GRAVEL, SAND, with fine gravel, dry to moist, tan brown	0.6
2.5		SSHS-B947-SUB-2-4 @ 14:35		WELL GRADED SAND WITH GRAVEL, moist, black, Gravel is composed of large lback shinging clasts and crushed red brick Yellow and Red brick present	3.1
				No recovery	
				Loose, Same as above but contains concrete clasts	
5.0		SSHS-B947-SUB-4-6 @ 14:40		Very loose, dry to moist, red, brick	2
				No recovery	
				Moist, Brick and crushed concrete	
		SSHS-B947-SUB-6-8 @ 14:45		Medium dense, WELL GRADED GRAVEL WITH SAND, black shiny material (ash), moist, dark gray to black, hydrocarbon odor	45.5
7.5				No recovery	
				Bottom of borehole at 8.0 feet.	

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BORING B948

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753763.3153 ft **EASTING** 762638.1598 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **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 E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Broken asphalt	
				Medium dense, WELL GRADED SAND, dry to moist, dark brown to tan, non plastic	
				Soft, SANDY SILT WITH GRAVEL, fine to coarse gravel, moist, dark brown, non plastic	1.4
				Soft, SANDY SILT, moist, light tan	
2.5				SILTY SAND WITH GRAVEL, SAND, with silt, and fine to coarse gravel, and black shiny material (ash), dry to moist, dark brown to black, red brick	
				Medium dense, WELL GRADED SAND WITH GRAVEL, SAND, with fine gravel, dry, brown, red brick	1.7
5.0				WELL GRADED GRAVEL WITH SILT, wet, dark brown	
				Dense, WELL GRADED SAND WITH GRAVEL, SAND, with fine to coarse gravel, dry to moist, brown	4.4
7.5					1.8

(Continued Next Page)

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BORING B948

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

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B948-SUB-10-12		Stiff, SILT, coarse grained, dry to moist, dark brown to tan, low plasticity	4.5
				Dense, SILTY GRAVEL WITH SAND, dry to moist, brown	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					