Midler City Industrial Park

Site No. C734103

Periodic Review Report

March 1, 2019 to September 1, 2022

Prepared by

C&S Engineers, Inc.
499 Colonel Eileen Collins Blvd.
Syracuse, New York 13212

November 2022

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EXECUTIVE SUMMARY

Brief Summary

The Midler City Industrial Park site encompasses approximately 22 acres and is located in the eastern portion of the City of Syracuse, as shown on Figure 1. Further detail concerning the property boundary is shown on Figure 2. In addition, included in Figures section are drawings showing the latest development recently constructed and finished in 2019 of the Golden Corral restaurant. The Golden Corral portion (3.387 acres) of the site incurred a change in use (granted by NYSDEC) for the site but Pioneer Midler, LLC will continue to comply with all outstanding requirements of the Environmental Easement and Site Management Plan which includes monitoring the site.

During remedial investigations and demolition activities that occurred in 2004-2006, areas impacted by petroleum and chlorinated volatile organic compounds were discovered. The main CVOCs found at the site were tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE). The occurrence of CVOCs was found within the marl and peat layers and extended to depths of approximately 26 feet below ground surface. No.6 fuel oil and other petroleum hydrocarbons were discovered during earthwork where several underground storage tanks were once present for the boiler house and beneath certain floor slabs of the manufacturing complex where equipment was once located. Those areas of petroleum contamination were excavated and disposed of off-site.

An IRM was conducted from 2006-2007 to remove CVOCs from four source areas identified during the RI. The technology adopted to remove CVOCs was ISTD. As a result of the ISTD treatment, approximately 86,000 pounds of CVOCs were removed from the subsurface and treated on site via thermal oxidation. Further information regarding remedial efforts is presented in the December 2007 IRM report prepared by C&S.

Monitored Natural Attenuation (MNA), using protocol established by the United States Environmental Protection Agency (USEPA), was the final remedy selected for the site relative to groundwater.

Effectiveness of the Remedial Program

Data and discussion presented in this report indicate that chlorinated volatile organic compounds (CVOCs) in groundwater at the Midler City Industrial Park site (Site No. C734103) continue to decrease. Current concentrations are significantly less than those observed at the commencement of the Remedial Investigation and ensuing in-situ

thermal treatment of significant source areas, and, except for MW-10D and MW-13D, have declined to levels consistent with Class GA Groundwater Standards since the end of the cool-down period (assumed to be December 2008). The decrease in contaminant levels in most wells, combined with the lines of evidence associated with reductive dechlorination, indicate that Monitored Natural Attenuation (MNA) continues to be an appropriate remedial technology for site groundwater.

At this point in the monitoring program for this site, several trends with respect to the presence and extent of CVOCs and MNA parameters in groundwater have been established:

- The original source contaminant, PCE, and the primary level reductive product, TCE, are no longer present at concentrations exceeding the 5 ug/l NYSDEC Class GA Groundwater Standard at any of the monitoring locations;
- The lower level degradation compounds (cis- and trans- DCE and vinyl chloride) exhibit marked variability in the short term; and
- Lines of evidence associated with reductive dechlorination indicate the dechlorination pathways remain viable.

Starting in June 2014, monitoring wells MW-14D and MW-16D were removed from the monitoring rounds due to non-detect or below standards results and MW-9D, MW-10D, MW-13D, and MW-15D were monitored for continued PRR events.

Compliance

Since the last PRR, a significant event that occurred is the SSDS system at the Golden Corral was found to be non-operational at the time of the April 2022 inspection. A CMWP was produced and approved by the NYSDEC to address the issue and is included in Appendix F.

Recommendations

Relative to institutional controls and engineering controls (ICs/ECs) for the site, no changes are recommended at this time.

SECTION 1 - INTRODUCTION AND SITE OVERVIEW

C&S Engineers, Inc., on behalf of our client, Pioneer Midler Avenue, LLC, submits this Site Management Periodic Review Report (PRR) and IC/EC Certification Submittal for Reporting Period March 1, 2019 to September 1, 2022 for the site known as Midler City Industrial Park - Site No. C734103.

The Midler City Industrial Park site encompasses approximately 22 acres and is located in the eastern portion of the City of Syracuse, as shown on Figure 1. Further detail concerning the property boundary is shown on Figure 2 (ASB-01 from the December 2007 *Final Engineering Report* for the site). In addition, included as Figure 5 is a site layout plan showing the latest development recently constructed and finished in 2019 of the Golden Corral restaurant.

Developed as an industrial facility in the late nineteenth century and utilized as such through the mid-twentieth century, the Midler City Industrial Park is relatively flat and is bounded as follows:

- North by Interstate Route 690.
- East by undeveloped property owned by the City of Syracuse
- South by property owned by CSX Transportation.
- West by Midler Avenue.

Currently, a Lowe's home center, a branch of SEFCU bank, and the Golden Corral Restaurant occupy much of the site.

During the RI and demolition activities that occurred in 2004-2006, areas impacted by petroleum and chlorinated volatile organic compounds were discovered. The main CVOCs found at the site were tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE). The occurrence of CVOCs was found within the marl and peat layers and extended to depths of approximately 26 feet below ground surface. The source of the CVOCs is attributed to past manufacturing and or waste management practices of the former Prosperity Laundry Equipment Company. No.6 fuel oil and other petroleum hydrocarbons were discovered during earthwork where several underground storage tanks were once present for the boiler house and beneath certain floor slabs of the manufacturing complex where equipment was once located. Those areas of petroleum contamination were excavated and disposed of off-site. Clean-up objectives for petroleum impacted media were consistent with NYSDEC TAGM 4046/STARS which were in effect at the time the work was completed.

An IRM was conducted from 2006-2007 to remove CVOCs from four source areas identified during the RI. The technology adopted to remove CVOCs was ISTD. The smallest of the four source areas ("B-5" Area) was excavated and the impacted materials were placed within the two largest areas ("B-1" and "B-3" Areas) for CVOC removal via ISTD. Based upon the high organic content of subsurface soils (10.8% average), a site specific soil clean-up objective of 31,200 µg/kg total CVOCs was established consistent with TAGM 4046 guidance which was in affect at the time of the IRM. As a result of the ISTD treatment, approximately 86,000 pounds of CVOCs were removed from the subsurface and treated on site via thermal oxidation. Further information regarding remedial efforts is presented in the December 2007 IRM report prepared by C&S.

Monitored Natural Attenuation (MNA), using protocol established by the United States Environmental Protection Agency (USEPA), was the final remedy selected for the site relative to groundwater, given:

- The significant source removal effort;
- Presence of soils with high organic content (10.8% average);
- Nature of CVOCs over 40 years of site inactivity;
- 40 years of site inactivity;
- Evidence of reductive dechlorination;
- Characteristics of groundwater including Oxidation-Reduction Potential (ORP), methane/ethane/ethene concentrations; and,
- The presence of *Dehalococcoides,* a genus of bacteria that obtains energy via the oxidation of hydrogen gas and subsequent reductive dehalogenation of halogenated organic compounds.

The groundwater MNA program commenced in 2008 and has been documented in a series of periodic data reports since that time. Evaluation of the data has been presented in reports to the NYSDEC entitled:

- *First Annual Site Monitoring Report* (February 2009)
- *Second Annual Periodic Review Report* (April 2010)
- *Third Annual Site Monitoring Report* (March 2011)
- *Fourth Annual Periodic Review Report* (April 2012)
- *Fifth Annual Periodic Review Report* (August 2013-Revised October 2013)
- *Sixth Annual Periodic Review Report* (June 2014)
- *Seventh Annual Periodic Review Report* (May 2015)
- *Eighth Annual Periodic Review Report* (June 2016)
- *Periodic Review Report March 1, 2016 to March 1, 2019* (January 2020)

Quarterly groundwater monitoring was conducted through the third quarter of 2010 with results transmitted to NYSDEC Region 7 on a regular basis. Based on the progress of CVOC attenuation observed, the New York State Department of Environmental Conservation (NYSDEC) Region 7 office, in a letter dated September 14, 2010 agreed to reduce the frequency of groundwater sampling and analysis to twice per year, with those events occurring in Spring and Fall.. That same letter also allowed the deletion of monitoring well MW-2D from the sampling program. A copy of that letter is provided in **Appendix A**. Implementation of the modified groundwater monitoring program began in 2011 with full annual reporting as specified in the December 2007 Remedial Work Plan, Site Management Plan and, as required by the Brownfield Cleanup Agreement for the site.

Another modification took place with the 2014 sampling events with the deletion of wells MW-14 and MW-16. An email correspondence with NYSDEC is attached in **Appendix A** confirming the discontinuing of sampling these two wells.

In a June 28, 2016 letter, after reviewing the PRR from June 2016, the NYSDEC agreed to another modification to reduce the groundwater sampling frequency from semi-annually to once every 3-years which brings us to this current PRR for reporting period March 1, 2016 to March 1, 2019.

Prior to sampling for the current PRR, C&S requested in a December 6, 2018 letter, requesting a reduction in the Monitored Natural Attenuation (MNA) parameter analyses being eliminated from the program. The NYSDEC agreed to that reduction along with the use of Passive Diffusion Bags (PDBs) for volatile organic compound (VOC) sample collection/analysis. Copies of NYSDEC correspondence is in **Appendix A**.

In 2022, a Change-of-Use was issued to the NYSDEC for a 3.387 acre, parcel of land that was sold by Golden Corral to SGC Via Tavdi, LLC. Pioneer Midler Avenue, LLC will continue to comply will all outstanding requirements of the Environmental Easement and Site Management Plan. A copy of the Change of Use documentation is included in **Appendix B**.

The Golden Corral parcel development that occurred in 2018 followed the Soil Management Plan (SoMP) put forth for the property in 2007. The Midler City Industrial Park includes a site cover system that has to be maintained to avoid contact with the pre-existing urban fill and native soils.

In May 2015, representative samples were collected from the Lot R-1 site (Golden Corral Property) berm areas and the laboratory report is attached in **Appendix C**. It was

determined that the material can be disposed of at a facility permitted to receive non-hazardous industrial solid waste in accordance with state regulations. Further sampling was completed in May 2018 on Lot 7 stockpiles and also attached in **Appendix C**. This material was eventually hauled off-site along with the Lot R-1 stockpiles/berms. According to Ricelli, a total of 7,778.77 tons of soil was taken to Ontario County Landfill for proper disposal.

Clean fill material was requested to use on the Golden Corral parcel and a permit was issued and attached in **Appendix C**. It was estimated that 500-800 cubic yards of stone was used on site.

Also, as part of the Golden Corral project, groundwater was encountered as part utility line work for the project. Frac tank samples were collected by Paragon Environmental Services and sent to Paradigm for analysis for total VOCs and the results were all non-detect. The laboratory report from Paradigm is included in **Appendix C**.

SECTION 2 - EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

Natural Attenuation Parameters

Samples collected during February 9, 2022 and March 7, 2022 were analyzed for VOCs.

Groundwater quality data (relative to chlorinated compounds) for each of the wells are presented on a table shown in **Appendix D**.

Evaluation of Data Trends and Rate Constants

The February 2009 *First Annual Site Monitoring Report* developed rate constants from cool-down period data which were determined to be of minimal relevance with respect to long-term natural attenuation trends. The USEPA instructs that, to make a statistically valid projection of the rate of monitored natural attenuation, monitoring periods of at least three years should be considered. With data from sampling events since 2008 (which includes data from the cool down period) we offer the following observations and calculations regarding the apparent rate of CVOC reduction at each of the site monitoring wells during the 14-year period extending from February 12, 2008 through March 2022.

CVOC Evaluation

The following discussion refers to recent comparison of individual CVOC analytical results for each monitoring well. By using all the data, there was much scatter and in some instances the resultant trend line suggested that concentrations of certain CVOCs were increasing. Nevertheless, groundwater quality has generally improved and at certain wells, detected CVOCs do not exceed Class GA Groundwater Standards. **Appendix D** contains plots of all the wells for Total CVOCs Concentrations vs. Time. With the exception of MW-10D and MW-13D all wells show a downward trend in concentrations. MW-10D and MW-13D shows a generally flat trend in concentrations of CVOCs over time.

MW-9D - Trans-1,2-DCE and cis-1,2-DCE were undetected. Cis-1,2-DCE decreased from 2.4 µg/l in 2015 non-detect in 2022. The vinyl chloride concentration was undetected.

MW-10D - The concentration of vinyl chloride decreased from 25 µg/l in 2015 to non-detect in 2022.

Cis-1,2-DCE data exhibited a slight increase from 390 µg/l in December 2015 to 420 µg/l in 2022.

The trans-1,2-DCE data exhibited a slight increase from 16 µg/l in December 2015 to 18 µg/l in 2022.

MW-13D – The vinyl chloride concentration increased from 490 µg/l in January 2019 to 1600 µg/l in February 2022.

Cis-1,2-DCE concentrations increased from 260 µg/l during the January 2019 event to 600 µg/l in the February 2022 event. It would appear that long-term improvements to groundwater quality are continuing to stay stable if you plot all the years as evident in the Total CVOCs Concentration vs Time plot in **Appendix D**.

Trans-1,2-DCE concentrations have remained consistent throughout the sampling events. From June 2012 to June 2013 the concentrations were "non-detect", but at concentrations ranging from 20 µg/l to 200 µg/l. In December 2013 the concentrations were at 25 µg/l. In the 2015 sampling events, the concentrations were "non-detect" at 50 µg/l. The result in January 2019 was 3.1 µg/l which is below the 5 µg/l Class GA Groundwater Standard. The result in February 2022 was 5.1 µg/l which is just above the 5 µg/l Class GA Groundwater Standard.

MW-15D–CVOC concentrations have been generally less than their respective Class GA groundwater Standards since sampling was begun. In February 2022, the concentration of vinyl chloride decreased to 0.64 µg/l from 0.83 µg/l in January 2019. Cis-1,2-Dichloroethene decreased from 3.9 µg/l in January 2019 to 3.2 µg/l in February 2022. The concentration of trans-,2-DCE was at 0.73 µg/l in February 2022 which is well below the 5 µg/l Class GA Groundwater Standard.

Conclusions

Data and discussion presented in the preceding text and accompanying data tables confirm that CVOCs in groundwater continue to exhibit an overall trend of decrease. Current concentrations are consistently less than those observed at the commencement of the RI and ensuing in-situ thermal treatment of significant source areas, and with the exception of MW-10D and MW-13D, have declined significantly since the end of the cool-down period. The decrease in contaminant levels in most wells combined with the lines of evidence associated with reductive dechlorination, indicate that MNA was the appropriate remedial technology for site groundwater at the site.

SECTION 3 - IC/EC PLAN COMPLIANCE REPORT

Residual subsurface contamination remained after completion of the IRM performed under the BCP. Engineering Controls were incorporated into the site remedy to provide proper management of this contamination to ensure protection of public health and the environment. A site-specific Environmental Easement has been recorded with the Onondaga County Clerk that provides an enforceable means to ensure the continued and proper management of residual contamination and protection of public health and the environment. It requires strict adherence to ICs and ECs placed on this Site by NYSDEC by the grantor of the Environmental Easement and any and all successors and assigns of the grantor.

Site Specific Engineering Controls

As described in the December 2007 Site Management Plan (SMP), as approved by NYSDEC, the following site specific ECs have been implemented.

Sub-slab depressurization systems (SSDSs) - SSDSs have been installed and maintained on both the Lowe's home center, SEFCU branch building, and the newly constructed Golden Corral Restaurant. A site plan showing the location of the monitoring points for each building is provided in **Appendix E** of this report. Inspection of the system is performed on a regular basis by Pioneer Midler Avenue, LLC as documented on the forms in

Appendix E of this PRR. Operational problems were noted in the Golden Corral Restaurant upon an inspection of the SSDS system in April 2022. It was determined that the Golden Corral SSDS blower was not running. As a result, Pioneer retained a mechanical contractor to assess the blower to determine the reason for its failure. Upon evaluation it was noted that a new blower motor had to be installed to make the system operational.

Due to these issues, a Corrective Measures Work Plan (CMWP) was requested by the NSYDEC to address the motor issues and planned procedures to prevent this from occurring in the future. A copy of the CMWP and NYSDEC correspondence is attached in **Appendix F.**

Pioneer will continue weekly inspections of all SSDS systems associated with the site, including the system at the Golden Corral restaurant. If abnormal readings are recorded during a weekly inspection of any of the SSDSs, NYSDEC and NYSDOH will be notified within 24-hours.

If in the future additional buildings are constructed on the site, similar type SSDS will be designed, installed, and maintained. The designs and system performance requirements will be in accordance with applicable regulations and/or guidance.

Public water supply - The site and surrounding properties receive their domestic water from municipal service connections supplied by the City of Syracuse. The source of the municipal water supply is surface water from Skaneateles Lake, Otisco Lake, and Lake Ontario. All current buildings on the property are connected to and obtain potable water from the municipal water supply described above. Currently there are no other known buildings or users of water on the site.

Paved and concrete surfaces -- To the extent reasonable, surfaces outside of the building footprints were paved or covered with conventional asphalt or concrete. Areas beneath the asphalt and/or concrete pavement received one foot of clean Type 1 or 2 crushed limestone from an approved quarry (i.e., T. H. Kinsella, Hansen). Areas beyond the footprint of the buildings and limits of paved areas received either a combination of clean crushed limestone fill, and/or clean topsoil to a depth of one foot. The clean crushed limestone fill and/or topsoil has been maintained to avoid direct contact with pre-existing urban fill material and native soils. As required by the Site Management Plan, Pioneer Midler Avenue, LLC performs a visual inspection of the site twice each year. Those inspections completed during the PRR period are documented on the forms shown in **Appendix E** of this PRR. Inspections will continue going forward will include the newly paved and concrete surfaces at the Golden Corral restaurant parcel.

Site-Specific Institutional Controls

As described in the December 2007 Site Management Plan (SMP) the following site specific ICs have been implemented.

Environmental Easement - Pioneer has granted the NYSDEC an environmental easement for the Site to ensure that use restrictions or engineering controls remain in place and will be binding to future owners and lessees, or until modified, extinguished, or amended by a written instrument executed by the Commissioner of the NYSDEC.

In June 2022, a change of use was issued for the Midler Site issuing the Deed from Golden Corral Corporation to SGC Via Tavdi, LLC transferring the 3.387 acre parcel. Pioneer Midler Avenue, LLC will continue to comply with all outstanding requirements of the Environmental Easement and Site Management Plan, including the monitoring of the Site. **Appendix B** contains a copy of the Change of Use documentation at the site.

Groundwater Use Restriction - The use or discharge of untreated groundwater for any purpose will not be permitted at the Site. As stated above, each building is connected to the City of Syracuse municipal water supply.

Soil Management Plan **-** A site-specific Soil Management Plan (SoMP) dated December 2007 was approved by NYSDEC and has been implemented at this Site. The objective of the SoMP is to set guidelines for management of soil material during any future activities which would breach the cover system at the site.

SECTION 4 - MONITORING PLAN COMPLIANCE REPORT

The December 2007 *Monitoring Plan* and the December 2007 *Remedial Work Plan* described the measures for evaluating the performance and effectiveness of Monitored Natural Attenuation (MNA). The elements of these plans, relative to groundwater monitoring, consisted of sampling and laboratory analysis for chlorinated volatile organic compounds via EPA Method 8260. In a December 2018 letter from the NYSDEC, approval was granted to eliminate MNA parameter analysis.

Groundwater data (quality and water levels) are tabulated and entered into the cumulative summary tables after each sampling event. That information is submitted to NYSDEC Region 7 following each monitoring event. The cumulative groundwater data summary tables (groundwater quality) are shown in **Appendix D** of this PRR. The individual laboratory reports are also provided in **Appendix D**.

SECTION 5 - OPERATION AND MAINTENANCE PLAN

The December 2007 *Operation and Maintenance Plan* for the site describes the measures necessary to operate and maintain mechanical components of the SSDS systems installed at each of the three buildings at the site. The *Operation & Maintenance Plan* also included a description of visual inspections to be conducted to document the condition of the exterior paved surfaces.

SSDS Operation and Maintenance

During the PRR period, verification of normal operating status was conducted on an approximately weekly basis. This verification, performed by Pioneer Midler Avenue, LLC, is by visual observation of the magnehelic gauge attached to each discharge stack. These observations are recorded and kept on file. Copies of the inspection forms are presented in **Appendix E** of this PRR.

Since the last PRR, the Golden Corral Restaurant was closed for approximately 2-years and wasn't inspected during that time. During the April 2022 inspection it was found that a blower fan stop working and a CMWP was completed to address the issue. A copy of that CMWP is included in **Appendix F**. A new blower fan was installed and made operational. C&S inspected the SSDS system on August 23, 2022 to confirm that sufficient negative pressure was achieved with the replacement blower.

Routine maintenance will be performed every 12 months and includes:

- Visual inspection of above grade components
- Verification that no building intakes have been added within ten feet of the SSDS ventilation stacks
- Verification that floor penetrations are not leaking and if leaks are detected appropriate repairs are to be completed.

No operational problems or significant building modifications were reported to have occurred with the systems installed at the SEFCU branch and Lowe's home center during this PRR period.

As appropriate, preventative maintenance, repairs, and/or adjustments will be made to the systems to ensure its continued effectiveness. If significant changes are made to the buildings, the systems will be modified and/or expanded to ensure the systems are functioning properly.

Pavement and Concrete Surfaces

All paved and concreted surfaces are maintained such that extensive perforations or cracks are sealed or repaired on an on-going basis. The Property Manager performed semiannual inspection of these surfaces. Documentation of the visual inspections performed during this PRR period is presented in **Appendix E** of this PRR. The inspection of all the newly paved and concreted surfaces as part of the Golden Corral parcel will be included in the future.

Conclusion

Based on the information gathered, it is our opinion that no changes in the Operation and Maintenance Plan should be implemented for the next PRR with the exception of continued inspections of the newly constructed Golden Corral property to confirm proper operation.

SECTION 6 - OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

Compliance with Site Management Plan

A single comprehensive Site Management Plan was developed in 2007 and amended in 2010 for the property. During this PRR period, all the requirements of the *Site Management Plan* prepared in 2007 and amended in September 2010 were satisfied and no changes or modifications are contemplated at this time. This PRR demonstrates that the requirements of the current SMP have been achieved such as Engineering and Institutional Controls, Site monitoring plans, and Operation and Maintenance Plans.

Performance and Effectiveness of the Remedy

Data from site monitoring confirm that CVOCs in groundwater, while displaying some variability in the short term, continue to decrease. Current CVOC concentrations are greatly reduced compared to those observed at the commencement of the Remedial Investigation and ensuing in-situ thermal treatment, and, with the exception of MW-10D and MW-13D, have declined significantly since the end of the cool-down period. The decrease in CVOC levels (in most wells) indicate that MNA continues to be an appropriate remedial technology for site groundwater.

At this point in the monitoring program for this site, several trends with respect to the presence and extent of CVOCs in groundwater have been established:

- The original source contaminant, PCE, and the primary level reductive product, TCE, are no longer present at concentrations exceeding the 5 ug/l NYSDEC Class GA Groundwater Standard at any of the monitoring locations;
- The lower level degradation compounds (cis- and trans- DCE and vinyl chloride) exhibit marked variability in the short term; and
- Lines of evidence associated with reductive dechlorination indicate the dechlorination pathways remain viable.

In scheduled future PRR events, the monitoring will be continued for monitoring wells MW-9D, MW-10D, MW-13D, and MW-15D and we will continue providing PRRs as scheduled.

Future PRR Submittals

Future PRRs will submitted every three years as part of this program.

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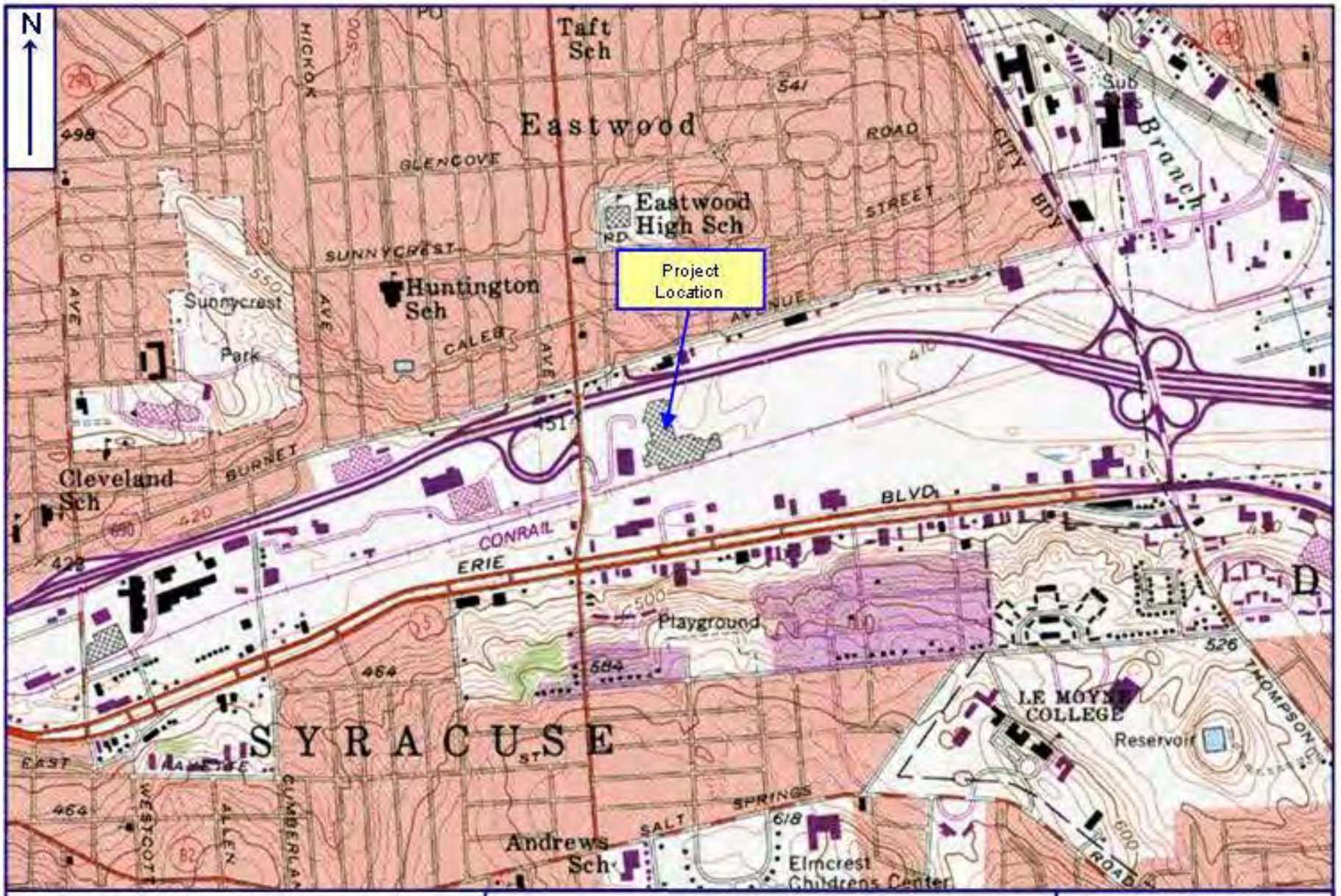
FIGURE 1

SITE LOCATION MAP
SYRACUSE EAST USGS



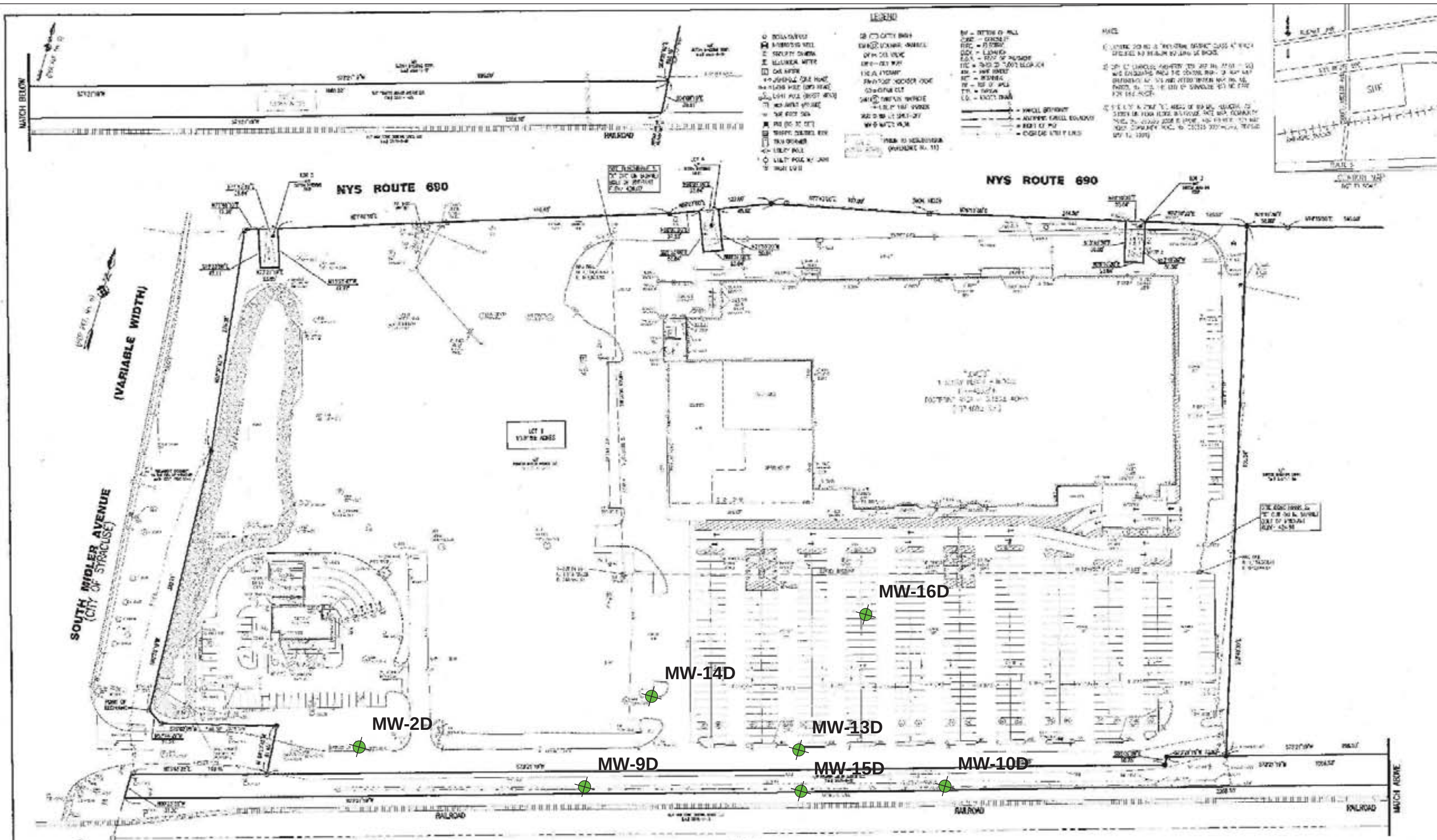
Source: USGS Topographic Maps (Terrain Navigator)
Syracuse East, NY

Figure 1
Site Location Map
Pioneer Milder LLC Brownfield Project
City of Syracuse, Onondaga County, New York

C&S COMPANIES
ENGINEERS
DESIGN BUILD
TECHNICAL RESOURCES
OPERATIONS

FIGURE 2

ASB-01 FROM DECEMBER 2007 FINAL ENGINEERING REPORT



PROPOSED RETAIL DEVELOPMENT

621 S. MIDLER AVENUE
SYRACUSE, NY

PIONEER MIDLER AVENUE LLC.
250 SOUTH CLINTON
SYRACUSE, NY 13202

PIONEER
COMPANIES

PREPARED BY:

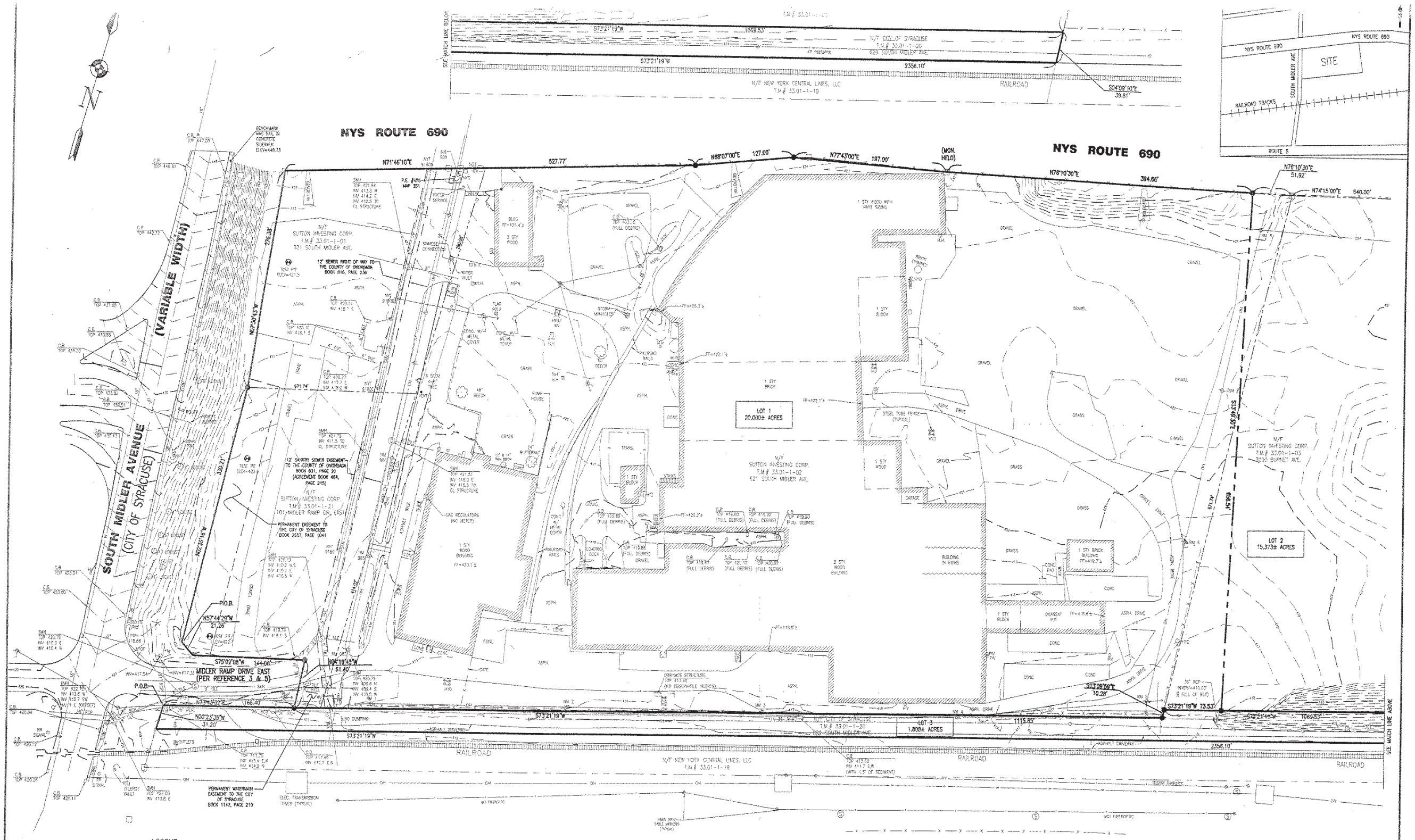
BERGMANN
associates
Engineers / Architects / Surveyors

ALTA/ACSM LAND TITLE ASBUILT SURVEY MAP

ASB-01

FIGURE 3

RE-SUBDIVISION MAP - 2006 & 2017



LEGEND

- DECIDUOUS TREE
- ONE-POST SIGN
- TWO-POST SIGN
- REBAR FOUND
- IRON PIPE FOUND
- CONCRETE MONUMENT
- CORNER TO BE SET
- WALKWAY LIGHT
- ELECTRIC TRANSFORMER
- LIGHT POLE
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- TRAFFIC CONTROL BOX
- TELEPHONE BOX
- ELECTRIC METER
- GAS METER
- GAS MARKER
- GAS VALVE
- HANDHOLES
- 420.5 SPOT ELEVATION
- 420 EXISTING CONTOUR LINE
- WV WATER VALVE
- HYD HYDRANT
- CATCH BASIN
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- UNKNOWN MANHOLE
- TRAFFIC MANHOLE
- BOLLARD/POST
- TEST PIT LOCATION
- GUY WIRE
- SAN SANITARY SEWER
- ST STORM SEWER
- E ELECTRIC LINE
- FO FIBER OPTIC LINE
- T TELEPHONE LINE
- W WATER LINE
- G GAS LINE
- OH OVERHEAD ELECTRIC
- FENCE LINE
- GUIDE RAIL
- EDGE WOODS
- EASEMENT LINE
- PROPERTY LINE
- TAX PARCEL LINE
- RIGHT-OF-WAY LINE
- PROPOSED SUBDIVISION LINE

NOTES:

1) UTILITIES SHOWN WERE PLOTTED FROM RECORD INFORMATION AQUIRED FROM THE UTILITY PROVIDERS SERVICING THIS AREA. THEY ARE NOT CERTIFIED AS TO THE ACCURACY OF THEIR LOCATION OR THEIR COMPLETENESS.

2) EXISTING ZONING IS "INDUSTRIAL DISTRICT CLASS A" WHICH REQUIRES NO MINIMUM BUILDING SETBACKS.

3) CITY OF SYRACUSE PROPERTY (TAX MAP No. 33.01-1-20) WAS CALCULATED FROM THE CONRAIL RIGHT OF WAY MAP (REFERENCE No. 10) AND APPROPRIATION MAP No. 66, PARCEL No. 110. THE CITY OF SYRACUSE HAD NO DEED FOR THIS PARCEL.

4) SITE IS NOT WITHIN A FLOOD HAZARD ZONE PER COMMUNITY PANEL No. 360596 0080

REFERENCES:

1) DEED FILED IN THE ONONDAGA COUNTY CLERKS OFFICE DATED JUNE 2, 1961. BOOK 2046, PAGE 402 OF DEEDS.

2) APPROPRIATION MAP No. 66, PARCEL No's 106, 107, 108, AND 118, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.I.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

3) APPROPRIATION MAP No. 66, PARCEL No. 110, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.I.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

4) APPROPRIATION MAP No. 71, PARCEL No's 115 AND 116, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.I.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

5) APPROPRIATION MAP No. 67, PARCEL No 109, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.I.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

6) APPROPRIATION MAP No. 354, PARCEL No's 448, 449, 450, AND 451, TITLED "INTERSTATE ROUTE 570-1-4.0, FORMAN AVENUE TO ERICKSON STREET, CITY OF SYRACUSE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

7) APPROPRIATION MAP No. 351, PARCEL No's 445 AND 455, TITLED "INTERSTATE ROUTE 570-1-4.0, FORMAN AVENUE TO ERICKSON STREET, CITY OF SYRACUSE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

REFERENCES: CONTINUED

8) APPROPRIATION MAP No. 529, PARCEL No 631, TITLED "INTERSTATE ROUTE CONNECTION No 570-1-4.1, ERICKSON STREET TO CITY LINE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

9) APPROPRIATION MAP No. 3-C, PARCEL No 684, TITLED "INTERSTATE ROUTE CONNECTION No 570-1-4.1, ERICKSON STREET TO CITY LINE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.

10) CONRAIL RIGHT OF WAY MAP V73/6 (FORMERLY NEW YORK CENTRAL RAILROAD,) DATED 5/5/92.

11) ABSTRACT OF TITLE PREPARED BY TICOR TITLE INSURANCE COMPANY, TITLE No. 530420350.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA, ACSM AND NSPS IN 1999, AND INCLUDES ITEMS 1-11 AND 13 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA, NSPS, AND ACSM AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT THE SURVEY MEASUREMENTS WERE MADE IN ACCORDANCE WITH THE "MINIMUM ANGLE, DISTANCE, AND CLOSURE REQUIREMENTS FOR SURVEY MEASUREMENTS WHICH CONTROL LAND BOUNDARIES FOR ALTA/ACSM LAND TITLE SURVEYS."

THE UNDERSIGNED HEREBY CERTIFIES TO
1) LOWE'S HOME CENTERS, INC
2) TICOR TITLE INSURANCE COMPANY
THAT THIS SURVEY WAS ACTUALLY MADE UPON THE GROUND; THAT IT AND THE INFORMATION, COURSES, ANGLES AND DISTANCES SHOWN THEREON ARE CORRECT; THAT THIS SURVEY CORRECTLY SHOWS THE LOCATION OF ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS ON THE PREMISES, INCLUDING, WITHOUT LIMITATION, ALL STREETS, EASEMENTS, RIGHTS-OF-WAY AND UTILITY LINES; AND THAT, EXCEPT AS SHOWN, THERE ARE NO (a) EASEMENTS RIGHTS-OF-WAY ACROSS THE PREMISES; (b) PARTY WALLS; (c) ENCROACHMENTS ON ADJOINING PREMISES, STREETS OR ALLEYS OF ANY OF SAID BUILDINGS, STRUCTURES OR IMPROVEMENTS, OR (d) OBSERVABLE ENCROACHMENTS UPON THE PREMISES BY ANY BUILDING, STRUCTURE OR OTHER IMPROVEMENTS SITUATED ON ANY ADJOINING PREMISES; PHYSICAL EVIDENCE OF BOUNDARY LINES ON ALL SIDES OF THE PREMISES IS AS STATED ON THE SURVEY; AND THAT THE IMPROVEMENTS DO NOT VIOLATE ANY SET-BACK OR OTHER BUILDING LINES.

I HEREBY CERTIFY THAT THIS SURVEY HAS BEEN MADE USING THE LATEST RECORDED PLAT OR DEED, THAT THERE ARE NO OBSERVABLE ENCROACHMENTS OTHER THAN THOSE SHOWN, AND THAT THE SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

WE, BERGMANN ASSOCIATES, INC., DO HEREBY CERTIFY THAT THIS INSTRUMENT SURVEY MAP WAS MADE FROM THE NOTES OF AN INSTRUMENT SURVEY DATED 12/23/03 AND FROM THE REFERENCES LISTED HEREON.

Kevin M. Sullivan 8/16/04

KEVIN M. SULLIVAN, L.S. No. 049963 DATE

DEVELOPMENT
621 S. MIDLER AVENUE
SYRACUSE, NY

PIONEER MIDLER AVENUE LLC.
250 SOUTH.CLINTON
SYRACUSE, NY 13202

PIONEER COMPANIES

PREPARED BY:

BERGMANN associates
Engineers / Architects / Surveyors

REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CK'D

NOTE:
Unauthorized alteration or addition to this drawing is a violation of the New York State Education Law Article 145, Section 7209.

AUG 17 2004

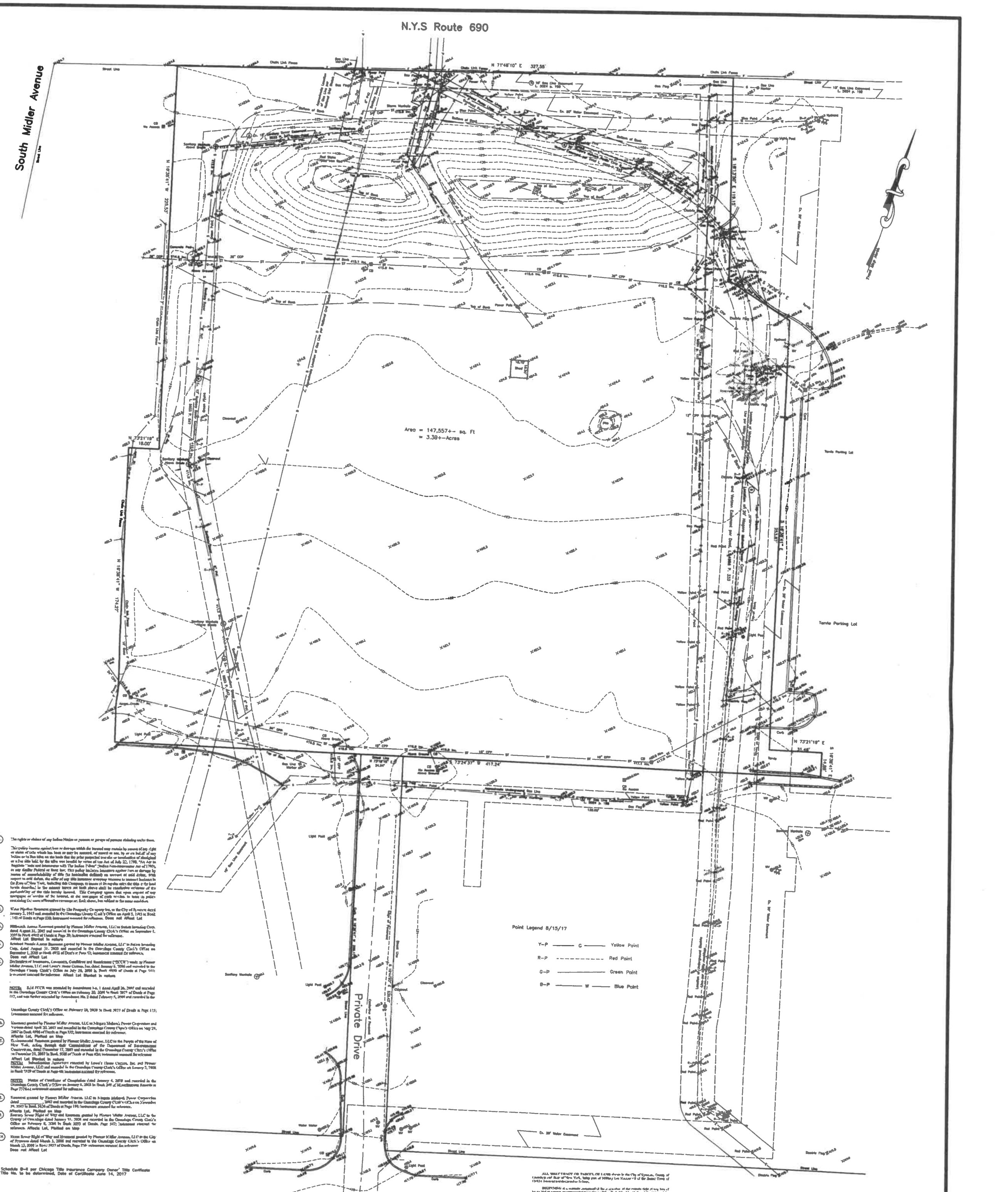
0 60 120 180 FT
SCALE BAR

ALTA/ACSM LAND TITLE SURVEY

STATE OF NEW YORK KEVIN M. SULLIVAN 049963 LICENSED LAND SURVEYOR

Project Manager: K. Sullivan
Designed by:
Drawn by: C. Wood
Checked by: K. Sullivan
Date Issued: August 16, 2004
Scale: 1" = 60'
Project Number: 6197.00
File Name: f:\dev\pioneer\midler\6197base.dwg
Drawing Number: EX-1

1 of 1



Schedule B-II per Chicago Title Insurance Company Owner' Title Certificate Title No. to be determined, Date of Certificate June 14, 2017

Easement granted to Niagara Mohawk Power Corporation, L. 4996 P. 333, is 10' either side of the centerline of the of the final installation and erection of the Facilities.

The Environmental Easement L. 5028 P. 524, is blanket in nature and covers the entire parcel.

Easement granted to Niagara Mohawk Power Corporation, L. 5024 P. 198, is 10' either side of the centerline of the of the final installation and erection of the Facilities, which is more or less in the centerline of the easement as shown.

Lot R-1, Pioneer Midler Subdivision
City of Syracuse, Onondaga Co., N.Y.

Scale 1" = 20'

D. W. HANNIG L.S., P.C.
SURVEYORS - PLANNERS - CONSULTANTS
THE MARKET PLACE, BUILDING #1
MANLIUS, NEW YORK 13104
PHONE: (315) 682-5225 - FAX: (315) 682-7774

January 28, 2016
Revised 2/01/16
Revised 2/11/16– Easements & Storm Inverts
Revised 2/18/16– NiMo Easement
Revised 2/24/16– Easements
Revised 3/25/16– 1' contour
Revised 8/15/17 – Utility Markings only
Revised 11/30/17– Notes
Projects/J161969/base plan/dwg/ final map

Certified to: Golden Corral Corporation
Chicago Title Insurance Company

In my professional opinion, and based on my observations under scope of service, I hereby certify this map was made from an actual survey on 8/15/17, and this map is correct.

This certification is void unless signed in RED ink.

DAVID WILLIAM HANNIG, P.L.S., - N.Y.S. LIC. NO. 47411

The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities – Underground Facilities Protective Organization (315) 437-7333.

FIGURE 4

ISTD LAYOUT PLAN

SPARGE POINT

AREA B3

SPARGE POINT

ISTD ELECTRICAL DISTRIBUTION GEAR

ISTD OFF GAS TREATMENT EQUIPMENT

AREA B1

B-1 SHEET PILE

SPARGE POINT

AREA MW-3D

MW3D-SHEET PILE

1 STY BRICK BUILDING

1 STY BLOCK

1 STY BLOCK

6' DIA CISTERN

EQUIPMENT SUMP

EQUIPMENT VAULTS TOP=419.3 ±

VAULT 1 TOP=418.7 ±

CONCRETE SLAB TOP=422 ± SLAB TOP=421.4 ± WALL TOP=425 ±

BURIED PIER

BURIED PIER

BURIED PIER

QUONSET HUT

671.74'

656.54'

APPROX. SCALE
0 30 60 90 FEET

LEGEND

- ISTD HEATER WELL (18 FT. TREATMENT DEPTH)
- ISTD HEATER WELL (20 FT. TREATMENT DEPTH)
- ISTD HEATER WELL (25 FT. TREATMENT DEPTH)
- ISTD HORIZONTAL VACUUM SCREENS
- ISTD MANIFOLD PIPE
- ISTD TREATMENT ZONE
- ISTD TEMPERATURE MONITORING POINT
- ISTD SURFACE COVER PERIMETER
- ISTD SURVEY POINTS (H-5S)
- SPARGE POINTS
- SHEET PILE

C&S ENGINEERS, INC.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone 315-455-2000
Fax 315-455-9667
www.cscos.com

DATE: APRIL 2006
SCALE: AS SHOWN
FILE NO. C81.002.001

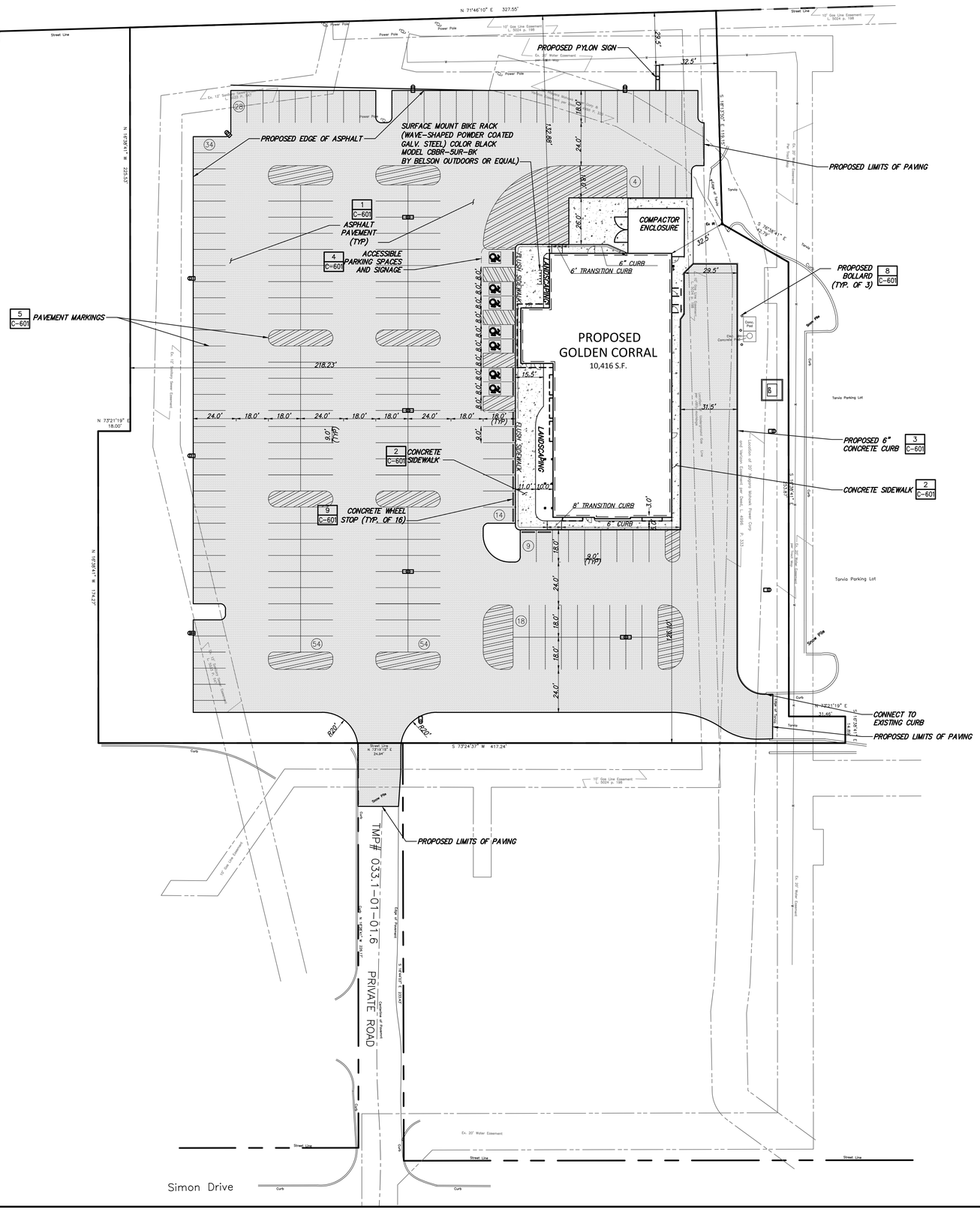
Pioneer Midler Avenue LLC
Interim Remedial Measure Report
Heater Well Layout & ISTD Enhancements

Figure 2

Oct 15, 2007 - 2:30pm
F:\Project\C81 - Pioneer Development\Cadd IRM Reports\Figure 2.dwg

FIGURE 5

Golden Corral Site
Layout Plan



ZONING REGULATIONS FOR DEVELOPMENT

EXISTING LOT INFORMATION:

ADDRESS	TAX MAP	ACREAGE
115 SIMON DR. (REAR)	33.1-01-1.4	3.387

EXISTING ZONING: IA - INDUSTRIAL - CLASS A

COVERAGE REQUIREMENTS:	CODE	PROVIDED
MAX. BUILDING COVERAGE:	100%	6.99%
MAX. PARKING COVERAGE	100%	57.80%

SET BACK REQUIREMENTS:

NORTH-	NONE	132.91'
SOUTH-	NONE	126.10'
EAST-	NONE	32.50'
WEST-	NONE	218.23'

PARKING REQUIREMENTS:

PARKING SPACE SIZE:	8.5' X 18'	9 'X 18'

NUMBER OF SPACES:
RESTAURANT(S) = 1 SP./ 200 SF (10,308 SF) = 51.5 SP.
TOTAL NUMBER OF SPACES REQUIRED.....=52 SP.
TOTAL NUMBER OF SPACES PROVIDED.....= 215 SP.

CHA
300 South State Street - Suite 600
Syracuse, NY 13202
315.471.3920 • www.thecompanies.com

Golden Corral

5151 GLENWOOD AVE.
RALEIGH, NC 27612

0 30 60
Scale in feet

PROPOSED GOLDEN CORRAL RESTAURANT

115 SIMON DR. (REAR)
SYRACUSE, NY 13224

ISSUED FOR PERMIT

No.	Submittal / Revision	App'd	By	Date
3	Revised Per Stormwater Comment	JFT	ZTP	01/18/18
4	Revised Per Fire Comments	JFT	ZTP	02/26/18
5	Revised Footprint	JFT	ZTP	05/15/18
6	Revised Grading & Pylon Sign Location	JFT	ZTP	06/21/18
7	Revised Parking Lot Islands	JFT	ZTP	11/05/18
8	Revised Water Service/Transformer Location	JFT	ZTP	11/26/18

FIGURE 5
SITE LAYOUT PLAN

Designed By:	Drawn By:	Checked By:
ZTP	ZTP	JFT
Issue Date:	Project No:	Scale:
10/09/2017	33281	AS SHOWN

Drawing No.:
C-101

File: V:\PROJECTS\ANY\X4\33281\CADD_ACAD\CIVIL\SHEET FILES\33281-C-101-LAYT.DWG
Saved: 11/5/2018 1:53:27 PM Plotted: 11/26/2018 11:58:32 PM Current User: Planko, Zach LastSavedBy: 3933

Appendix A

NYSDEC Correspondence

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 7
615 Erie Boulevard West, Syracuse, New York 13204-2400
Phone: (315) 426-7551 • **Fax:** (315) 426-7499
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

September 14, 2010

Mr. Jed Schneider
Pioneer Midler Avenue, LLC
250 South Clinton Street, Suite 200
Syracuse, New York 13202-1258

Re: Midler City Industrial Park
Site No. C734103
Groundwater Sampling Frequency

Dear Mr. Schneider:

The New York State Department of Environmental Conservation (NYSDEC) has reviewed your August 3, 2010 letter requesting that the groundwater sampling frequency be reduced from quarterly to bi-annually (spring and fall). This request is hereby approved. In addition, based on the analytical data (i.e. non-detect levels of contaminants of concern since 2005), MW-2D can be removed from the list of wells sampled.

Respectfully,

Karen A. Cahill
Project Manager
Division of Environmental Remediation

cc: T. Barba/S. Vinci, C&S
R. Jones, DOH

ec: M. Peachey, DEC
G. Townsend, DEC

Wayne Randall

From: Karen Cahill <kacahill@gw.dec.state.ny.us>
Sent: Wednesday, June 25, 2014 10:12 AM
To: Wayne Randall
Subject: Re: NYSDEC Midler Site No. C734103

Yes. Thank you.
Karen A. Cahill
Div. of Environmental Remediation
NYSDEC Region 7
615 Erie Blvd. West, Syracuse, NY 13204-2400
Phone - (315) 426-7432
Fax - (315) 426-2653
Cell - (315) 289-6788
E-Mail: kacahill@gw.dec.state.ny.us

>>> Wayne Randall <WRandall@cscos.com> 6/25/2014 9:59:58 AM >>>
Good Morning Karen,
Are you OK with discontinuing MW-14D and MW-16D? Please let me know as I will be ordering the glassware today.

Thanks,
Wayne

C&S COMPANIES®
www.cscos.com

Wayne N. Randall
Geologist, Environmental Services
C&S Engineers, Inc.
wrandall@cscos.com, linkedIn
Direct: (315) 703-4110

From: Rory Woodmansee
Sent: Friday, June 06, 2014 1:21 PM
To: Karen Cahill; Marshall, Edward; Denise Seton
Cc: Wayne Randall; Warner, Harry
Subject: RE: NYSDEC Midler Site No. C734103

Hi Karen,

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 7
615 Erie Boulevard West, Syracuse, NY 13204-2400
P: (315) 426-7519, (315) 426-7551 | F: (315) 426-2653
www.dec.ny.gov

June 28, 2016

Ms. Melissa Zell
Pioneer Companies
333 West Washington Street
Suite 600
Syracuse, NY 13202

Re: Midler City Industrial Park, Syracuse, NY, Site No. C734103
2015 Periodic Review Report, June 8, 2016

Dear Ms. Zell:

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: January 1, 2015 to December 31, 2015.

The Department hereby accepts the PRR and associated Certification. In addition, based on the general decline in total CVOC concentration in groundwater at the site over the last two years, and the static conditions at the site, the Department is approving a reduction in the frequency of periodic reviews from annually to once every three (3) years.

As such, modifications to the monitoring program that are acceptable to the Department include:

- A reduction in groundwater sampling frequency from semi-annually to once every 3-yrs;
- The use of Passive Diffusion Bags (PDBs) to collect groundwater samples rather than low-flow;
- Specification of Method 624 (Purgeable Organics) or Method 601 (Purgeable Halocarbons) in lieu of Method 8260;
- A reduction from Category B to Category A deliverables, unless a decision is expected to be made based on the data (in this case delisting).

Appendix B

Change in Use Documentation

HANCOCK ESTABROOK LLP

CHARLES H. GRUNDNER, ESQ.
Direct Dial No: (315) 565-4577
Direct Fax No: (315) 565-4677
cgrundner@hancocklaw.com

June 15, 2022

VIA E-MAIL

Kelly A. Lewandowski
New York State Department of Environmental Conservation
Division of Environmental Remediation
615 Erie Boulevard West
Syracuse, New York 13204-2400

Re: Midler Site C734103 – Change of Ownership

Dear Ms. Lewandowski:

This law firm represents Pioneer Midler Avenue, LLC in this matter.

Attached is the completed and signed Change of Use and/or Ownership Notice which was signed by my client this afternoon, as well as a copy of the Deed from Golden Corral Corporation to SGC Via Tavdi, LLC and a copy of a Survey Map showing the 3.387 acre parcel described in the attached Deed.

Please note that the attached Deed contains (at the bottom of page 3) the required language stating that the property conveyed is subject to the Environmental Easement held by the New York State Department of Environmental Conservation which was recorded in the Onondaga County Clerk's Office on December 28, 2007 in Book 5028 of Deeds, Page 624.

Please also note that the Certificate of Completion will not be transferred to SGC Via Tavdi, LLC. Pioneer Midler Avenue, LLC will continue to comply with all outstanding requirements of the Environmental Easement and Site Management Plan, including the

continuing monitoring of the Site.

Very truly yours,

HANCOCK ESTABROOK, LLP

Charles H. Grundner

CHG:jms
Enclosures

cc: Michael P. Falcone (w/encl. via e-mail)
Mark W. Roney (w/encl. via e-mail)
Greg Henson (w/encl. via email)
Karen A. Cahill (w/encl. via e-mail)
R. Chappell Phillips, Esq. (w/encl. via e-mail)
Niral A. Patel (w/encl. via e-mail)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Midler City Industrial Park **DEC Site ID No.** C734103

II. Contact Information of Person Submitting Notification:

Name: Charles H. Grundner, Esq.

Address1: Hancock Estabrook, LLP

Address2: 1800 AXA Tower I, 120 Madison Street, Syracuse, NY 13202

Phone: (315) 565-4577 E-mail: cgrundner@hancocklaw.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

[X] Change in Ownership or Change in Remedial Party(ies)

[ ] Transfer of Certificate of Completion (CoC)

[ ] Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 08/06/2021

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Sale of a 3.387 acre parcel, described in the attached Deed and shown on the attached map, from Golden Corral Corporation to SGC Via Tavdi, LLC

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ (Signature) 06/15/2022 (Date)

Michael P. Falcone
(Print Name)

Address1: The Pioneer Companies, 333 West Washington Street, Suite 600

Address2: Syracuse, NY 13202

Phone: 315-200-1864 E-mail: michael.falcone@pioneercos.com

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

[X] Prospective Owner [ ] Prospective Remedial Party [ ] Prospective Owner Representative

Name: Niral Patel

Address1: 17 Old Gick Road, Saratoga Springs, New York 12866

Address2: _____

Phone: _____ E-mail: niralapatel@gmail.com

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ (Signature) 06/15/2022 (Date)

Michael P. Falcone
(Print Name)

Address1: The Pioneer Companies, 333 West Washington Street, Suite 600

Address2: Syracuse, NY 13202

Phone: 315-200-1864 E-mail: michael.falcone@pioneercos.com

Lisa Dell, County Clerk
401 Montgomery Street
Room 200
Syracuse, NY 13202
(315) 435-2229

Onondaga County Clerk Recording Cover Sheet

Received From :
HANCOCK ESTABROOK
1800 AXA TW 1
100 MADISON ST
SYRACUSE, NY 13202

Return To :
HANCOCK ESTABROOK
1800 AXA TW 1
100 MADISON ST
SYRACUSE, NY 13202

Method Returned : MAIL

First PARTY 1
GOLDEN CORRAL CORPORATION

First PARTY 2
SGC VIA TAVDI LLC

Index Type : Land Records
Instr Number : 2021-00037399
Book : **Page :**

Type of Instrument : Deed
Type of Transaction : Deed Comm Or Vacant
Recording Fee: $315.50

Recording Pages : 4

The Property affected by this instrument is situated in Syracuse, in the County of Onondaga, New York

Real Estate Transfer Tax

RETT # :	308
Deed Amount :	$3,800,000.00
RETT Amount :	$15,200.00
Total Fees :	$15,515.50

State of New York

County of Onondaga

I hereby certify that the within and foregoing was recorded in the Clerk's office for Onondaga County, New York

On (Recorded Date) : 08/06/2021

At (Recorded Time) : 12:48:05 PM

Doc ID - 044460900004

Lisa Dell, County Clerk

This sheet constitutes the Clerks endorsement required by Section 319 of Real Property Law of the State of New York

Entered By: RSWEENIE Printed On : 08/06/2021 At : 12:51:37PM

3

WARRANTY DEED WITH LIEN COVENANT

THIS INDENTURE is made as of the 21st day of July, 2021.

BETWEEN: **GOLDEN CORRAL CORPORATION,**
a North Carolina corporation, having an office at
5400 Trinity Road, Suite 309, Raleigh, North Carolina 27607

("Grantor")

AND: SGC VIA TAVDI, LLC, a New York limited liability company, having an office at
17 Old Gick Road, Saratoga Springs, New York 12866
("Grantee")

WITNESSETH, that the Grantor, in consideration of **One and 00/100 ($1.00) Dollar** and other good and valuable consideration paid by the Grantee, hereby grants and releases unto the Grantee, the heirs or successors and assigns of the Grantee forever,

ALL THAT TRACT OR PARCEL OF LAND described in Schedule A attached hereto and made a part hereof.

BEING the same premises conveyed by Pioneer Midler Avenue, LLC to Golden Corral Corporation (Grantor herein) by Warranty Deed dated June 11, 2018 and recorded in the Onondaga County Clerk's Office on June 15, 2018 as Instrument No. 2018-00025501.

SUBJECT to all easements, covenants and restrictions of record.

TOGETHER with the appurtenances and all the estate and rights of the Grantor in and to said premises.

TO HAVE AND TO HOLD the premises herein granted unto the Grantee, the heirs or successors and assigns of the Grantee forever. **AND** the Grantor covenants as follows:

FIRST. - The Grantee shall quietly enjoy the said premises; **SECOND.** - The Grantor will forever warrant the title to said premises.

THIS Deed is subject to the trust provisions of Section 13 of the Lien Law. The words "Grantor" and "Grantee" shall be construed to read in the plural whenever the sense of this deed so requires.

IN WITNESS WHEREOF, the Grantor has executed this Deed the day and year first above written.

GOLDEN CORRAL CORPORATION

By: James D Laverty
Name: JAMES D. LAVERTY
Title: SVP-FINANCE & ADMINISTRATION

STATE OF NORTH CAROLINA) SS.:
COUNTY OF WAKE)

On the 21st day of July, 2021, before me, the undersigned, a notary public in and for said State, personally appeared James D. Laverty, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed this instrument; and that such individual made such appearance before the undersigned in the (Town) (City) of Raleigh, State of North Carolina.

Notary Public

R. CHAPPELL PHILLIPS
NOTARY PUBLIC
ORANGE COUNTY, NC
My Commission Expires 12-1-2023

Record and Return to:

CHARLES H. GRUNDMEN
HANCOCK ESTABROOK, LLP
1800 AXA TOWER I
100 MADISON STREET
SYRACUSE, NY 13202

S:\CHG\Deeds\Pioneer Midler Avenue - Golden Corral Corporation Deed.doc

SCHEDULE A

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Syracuse, County of Onondaga and State of New York, being part of Military Lot Number 40 of the former Town of DeWitt, bounded and described as follows:

BEGINNING at a concrete monument at the intersection of the easterly right-of-way line of South Midler Avenue, as appropriated to the State of New York (Map No. 66, Parcel No. 106), and the southerly right-of-way line of New York State Route 690, as appropriated to the State of New York (Interstate Route 570-1-4.0, Map No. 354, Parcel No. 450); thence North 71° 46' 10" East, along the southerly right-of-way line of said Route 690, a distance of 72.87 feet to the Point of Beginning; thence

North 71° 46' 10" East, along said southerly right-of-way line of Route 690, a distance of 327.55 feet to a point on the division line with Lot R-2 on the east; thence, the following five courses and distances on said division line:

South 18° 13' 50" East, a distance of 119.15 feet to a point; thence,

South 76° 38' 41" East, a distance of 42.79 feet to a point; thence,

South 16° 38' 41" East, a distance of 253.87 feet to a point; thence,

North 73° 21' 19" East, a distance of 31.46 feet to a point; thence,

South 16° 38' 41" East, a distance of 14.89 feet to a point on the northerly line of Lot 7; thence,

South 73° 24' 37" West, on said northerly line of Lots 7, 9 and 8, a distance of 417.24 feet to a point; thence,

North 16° 38' 41" West, a distance of 174.27 feet to a point; thence,

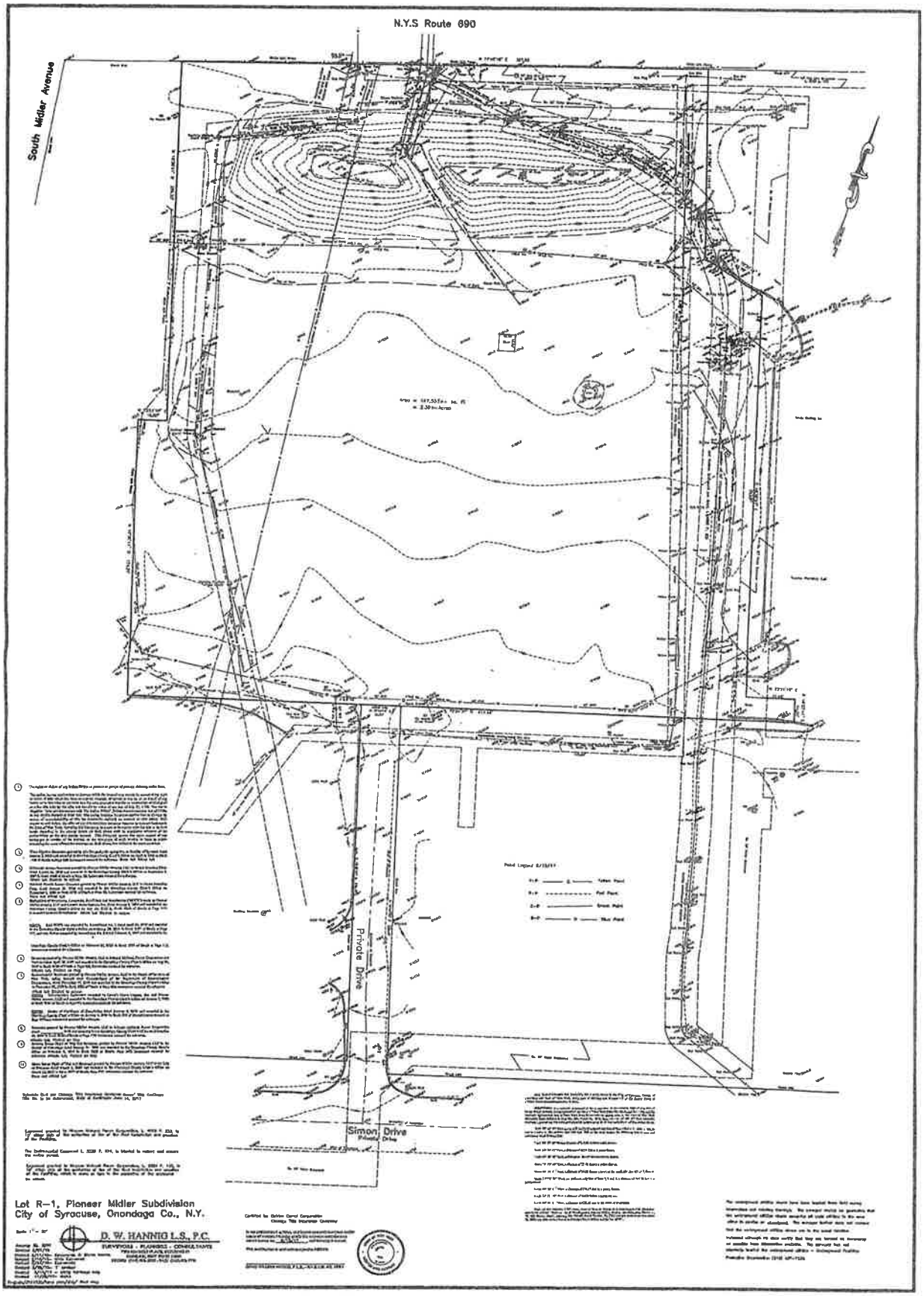
North 73° 21' 19" East, a distance of 18.00 feet to a point; thence,

North 16° 38' 41" West, a distance of 225.53 feet to the Point of Beginning.

Said Lot R-1 contains 3.387 acres, more or less, as shown on a map prepared by Bergmann Associates entitled "Proposed Retail Development, Pioneer Midler Avenue Resubdivision, Known as 101-153 Simon Drive", Drawing No. SM-01, dated October 19, 2004 and last revised on November 22, 2006, and filed in the Onondaga County Clerk's Office as Map No. 10571.

TOGETHER WITH AND SUBJECT TO the Declaration of Easements, Covenants, Conditions and Restrictions ("ECCR") made by Pioneer Midler Avenue, LLC and Lowe's Home Centers, Inc. dated January 6, 2006 and recorded in the Onondaga County Clerk's Office on July 26, 2006 in Book 4950 of Deeds at Page 541, as amended by Amendment No. 1 dated April 26, 2007 and recorded in the Onondaga County Clerk's Office on February 20, 2009 in Book 5077 of Deeds at Page 117, and as further amended by Amendment No. 2 dated February 5, 2009 and recorded in the Onondaga County Clerk's Office on February 20, 2009 in Book 5077 of Deeds at Page 135.

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENT EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE ENVIRONMENTAL CONSERVATION LAW DATED DECEMBER 17, 2007 AND RECORDED IN THE ONONDAGA COUNTY CLERK'S OFFICE ON DECEMBER 28, 2007 IN BOOK 5028 OF DEEDS, PAGE 624.



Lot R-1, Pioneer Midler Subdivision
City of Syracuse, Onondaga Co., N.Y.

D. W. HANNIG L.S., P.C.
SURVEYORS - PLANNERS - CONSULTANTS

Appendix C

Laboratory Reports for stockpiled soil – Lot R-1 (Golden Corral), Lot-7, and mine fill permit information

May 27, 2015

Mr. Albert M. Giannino
Director of Leasing
Pioneer Companies
333 West Washington Street, Suite 600
Syracuse, New York 13202

Re: Berm Sampling Report
Pioneer Midler Avenue

File: 1537.005.001

Dear Mr. Giannino:

Barton & Loguidice D.P.C (B&L) has prepared this Sampling Report to describe observations and analytical results from the sampling conducted at the above referenced site. The sampling was conducted in accordance to B&L's proposal dated April 28, 2015. Representative soil/fill samples were collected from the berms at the northwest corner of the Midler Avenue property.

Background

Additional development may occur at the northwest corner of the site where two grass-covered berms are present with a combined estimated volume of 2,600 cubic yards (approximately 3,600 tons). This area and surrounding site (now occupied by a Lowes and SEFCU) were formerly known as the Midler Avenue Brownfield Project. Interim Remedial Measures (IRMs) were conducted on the site prior to 2007 under the Brownfield Cleanup Program (NYSDEC Site #C734103).

A Site Management Plan (SMP) and Environmental Easement were prepared in 2007 to describe procedures required to manage residual contamination at the site. The SMP includes a site cover system to be maintained to avoid direct contact with pre-existing urban fill and native soils. The berms apparently contain urban fill covered with site cover system materials. The SMP states that one composite and one duplicate sample will be collected for 2,000 cubic yards of stockpiled soil (assuming the material does not exhibit visual evidence of contamination). Further waste characterization of the berms was necessary to determine disposal options pursuant to the SMP.

Sampling Methodology

Sample Collection and Handling Procedures

B&L retained the services of NYEG Drilling, LLC of Brewerton, New York to provide drilling services. Sample recovery was conducted using a MacroCore® barrel sampler equipped with single-use, disposable acetate sleeves. The barrel sampler was decontaminated prior to each boring with an Alconox solution and potable water rinse.

11 Centre Park • Suite 203 • Rochester, New York 14614
Telephone: 585-325-7190 • Facsimile: 585-325-4856 • www.BartonandLoguidice.com

B&L supervised the advancement of eight borings using direct-push drilling equipment on May 6, 2015. Four borings were advanced in the western berm (WB-1 to WB-4) and four borings were advanced in the eastern berm (EB-1 to EB-4). The boring locations are shown on the sketch in Attachment A. Boring target depths were approximately 6 to 8 feet to penetrate the soil/fill to the approximate ground surface of the surrounding area. Soil/fill encountered in each boring was logged by a B&L environmental scientist and was field screened using a calibrated photo-ionization detector (PID).

B&L composited aliquots of the samples collected on the western berm to achieve a 4-point composite sample and a duplicate sample from that berm. Similar sampling was conducted from the eastern berm. Soil samples for laboratory analyses were placed into laboratory supplied bottle-ware, packed in a cooler with ice, and submitted with chain of custody documentation.

Analytical Parameters and Laboratory

The composite samples were analyzed for parameters typically required by non-hazardous waste landfills. Specifically:

- Toxicity characterization leaching procedure (TCLP) volatile organic compounds (VOCs)
- TCLP semi-volatile organic compounds (SVOCs)
- TCLP metals
- Total polychlorinated biphenyls (PCBs)
- Flashpoint
- Corrosivity as pH
- Ignitability
- Paint filter test
- Reactivity

Total VOC and SVOC samples were also collected (two samples and two duplicate samples). All analyses were completed by Spectrum Analytical, Inc., an appropriately accredited laboratory (ELAP Accreditation No. 11393).

Sampling Findings and Analytical Results

Soil Field Observations

The berms are mainly composed of mixed urban soil consisting of brown reworked soil (e.g., silt, sand, gravel, and clay) with grey cinders. In locations where the fill unit is generally thinner, a fine to coarse-grained sand unit of limited thickness is present beneath the fill. Water saturated soils were not observed.

In general, visual and/or olfactory impacted soil was not encountered. Petroleum staining, oily sheens or petroleum/chemical odors were not noted in the borings. PID readings were at non-detect or below 1 part per million by volume (ppmv) in each boring with the exception of borings WB-1 and WB-3. The 0 to 4 feet bgs interval in WB-1 contained peak PID readings of 2.4 ppmv. PID readings in this boring

decreased with depth. The 0 to 4 feet bgs interval in WB-3 contained peak PID readings of 2.3 ppmv. PID readings in this boring also decreased with depth.

Soil Quality Results

Summary tables with the analytical results are provided in Attachment B. Laboratory analytical reports prepared by Spectrum Analytical, Inc. and are provided in Attachment C. Reported concentrations were compared to regulatory thresholds for determining hazardous waste for purposes of land disposal. TCLP VOCs, TCLP SVOCs and TCLP Metals concentrations did not exceed maximum contaminant concentrations (40 CFR 261). Corrosivity, ignitability, and reactivity were also below limits that would result in the material being classified as hazardous waste.

Total organic compound concentrations were compared to NYSDEC Commissioner's Policy 51 Soil Cleanup Guidance (CP-51) Soil Cleanup Levels. Individual SVOCs were detected in each of the four samples and several SVOC concentrations exceeded CP-51 Soil Cleanup Levels in two of the four samples. The sum of individual SVOC concentrations ranged from 4350 to 65,195 micrograms per kilogram (ug/kg) in the samples. PCBs were detected at concentrations ranging from 36.4 to 262 ug/kg below the CP-51 Soil Cleanup Levels of 1,000 ug/kg for surface soils and 10,000 ug/kg for subsurface soils. Individual VOCs were not detected in the samples collected with the exception of a trace concentration of xylene at 19.8 ug/kg in the West Berm sample. The CP-51 Soil Cleanup Level for total xylene is 260 ug/kg. The organic compound concentrations detected appear to be typical of urban fill/soils and not from a point-source petroleum release.

er Soi Dis osa an Re se O tions

The observations and analytical data demonstrate that the soil within the east and west berm areas do not have characteristics that would cause the material to be classified as hazardous waste. The berm material contains concentrations of organic compounds that exceed CP-51 Soil Cleanup Levels, and therefore the material would not meet the criteria for clean fill. Based on this sampling and consistent with the SMP, berm material that cannot be reused on the property must be disposed of at a facility permitted to receive non-hazardous industrial solid waste in accordance with Local, State and Federal regulations.

The SMP Section 3.4.5 allows for site soil that is excavated to be used as backfill provided it contains no visual or olfactory evidence of contamination and it is placed beneath a cover system component. Therefore, onsite re-use is an option for this material. If onsite re-use is chosen, site development plans should incorporate the use of this material and selecting a suitable cover. Site cover components in the SMP include the following:

- Clean Type 1 or 2 crushed gravel, or combination of clean crushed gravel fill and topsoil. Minimum of 12 inches.
- Asphalt roadways, sidewalks, or parking lots. Minimum of 4 inches.
- Concrete slab-on-grade structures, roads, sidewalks, and parking lots in lieu of asphalt. Minimum of 6 inches.

Other Consi erations

The Contractor or owner representative should prepare a Health and Safety Plan and a Community Air Monitoring Plan prior to excavation of the berm or subsurface materials. The property is part of a Brownfield Cleanup Program project where an Environmental Easement restricts land use and if the lot containing the berm is divided or land use classification changes, then amending the Environmental Easement with the NYSDEC will be necessary.

If you have any questions or require further information, please contact me at (585) 325-7190.

Very truly yours,

BARTON & LOGUIDICE, D.P.C.

Greg V. Lesniak, P.G.
Senior Project Hydrogeologist

GVL/akg
Attachments

Attachment A

Soil Boring Locations

● Soil Boring Locations
East Berm: EB-1 to EB-4
West Berm: WB-1 to WB-4

Attachment B

Results Summary Table

Summary Table - Berm Samples Hazardous Characteristics

Project:	Midler Avenue, Syracuse, New York					
Project Number:	1537.005.001					
Client Sample ID:		TCLP Maximum Contaminant	East Berm	East Berm - Duplicate	West Berm	West Berm- Duplicate
Lab Sample ID:		Concentrations	SCO7186-01	SCO7186-02	SCO7186-04	SCO7186-03
Date Sampled:		(40 CFR 261	5/6/2015	5/6/2015	5/6/2015	5/6/2015
Matrix:		6/96)	Soil	Soil	Soil	Soil
General Chemistry						
pH		-	8.24	8.21	7.8	7.76
Flashpoint	Deg. F	-	>200	>200	>200	>200
Ignitability		-	Negative	Negative	Negative	Negative
Solids, Percent	%	-	86	83.6	84.5	84.5
Free Liquids	N/A	-	Absent	Absent	Absent	Absent
Cyanide Reactivity	mg/kg	-	<24.7	<24.7	<24.8	<25
Sulfide Reactivity	mg/kg	-	<49.4	<49.4	<49.6	<50
TCLP VOCs (SW846 8260C)						
Benzene	mg/l	0.5	<0.0009	<0.0009	<0.0009	<0.0009
2-Butanone (MEK)	mg/l	200	<0.0062	<0.0062	<0.0062	<0.0062
Carbon tetrachloride	mg/l	0.5	<0.0011	<0.0011	<0.0011	<0.0011
Chlorobenzene	mg/l	100	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/l	6	<0.002	0.0024	<0.002	0.0026
1,4-Dichlorobenzene	mg/l	7.5	<0.0012	<0.0012	<0.0012	<0.0012
1,2-Dichloroethane	mg/l	0.5	<0.0008	<0.0008	<0.0008	<0.0008
1,1-Dichloroethene	mg/l	0.7	<0.0014	<0.0014	<0.0014	<0.0014
Hexachlorobutadiene	mg/l	0.5	<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	mg/l	0.7	0.0099	0.0108	<0.0029	<0.0029
Trichloroethene	mg/l	0.5	<0.0019	<0.0019	<0.0019	<0.0019
Vinyl chloride	mg/l	0.2	<0.0017	<0.0017	<0.0017	<0.0017
TCLP SVOCs (SW846 8270D)						
2-Methylphenol	mg/l	200	< 0.00214	< 0.00214	< 0.00214	< 0.00214
3&4-Methylphenol	mg/l	200	< 0.00222	< 0.00222	< 0.00222	< 0.00222
Pentachlorophenol	mg/l	100	< 0.00215	< 0.00215	< 0.00215	< 0.00215
2,4,5-Trichlorophenol	mg/l	400	< 0.00209	< 0.00209	< 0.00209	< 0.00209
2,4,6-Trichlorophenol	mg/l	2	< 0.00196	< 0.00196	< 0.00196	< 0.00196
1,4-Dichlorobenzene	mg/l	7.5	< 0.00202	< 0.00202	< 0.00202	< 0.00202
2,4-Dinitrotoluene	mg/l	0.13	< 0.00238	< 0.00238	< 0.00238	< 0.00238
Hexachlorobenzene	mg/l	0.13	< 0.00215	< 0.00215	< 0.00215	< 0.00215
Hexachlorobutadiene	mg/l	0.5	< 0.00203	< 0.00203	< 0.00203	< 0.00203
Hexachloroethane	mg/l	3	< 0.00215	< 0.00215	< 0.00215	< 0.00215
Nitrobenzene	mg/l	2	< 0.00212	< 0.00212	< 0.00212	< 0.00212
Pyridine	mg/l	5	< 0.00162	< 0.00162	< 0.00162	< 0.00162
TCLP Metals Analysis						
Arsenic	mg/l	5	< 0.0026	0.0028	0.0049	0.0054
Barium	mg/l	100	0.374	0.418	0.416	0.41
Cadmium	mg/l	1	0.0005	0.0007	0.0012	0.0012
Chromium	mg/l	5	0.0028	0.004	0.0036	0.0044
Lead	mg/l	5	< 0.0018	0.0057	0.0214	0.0136
Mercury	mg/l	0.2	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Selenium	mg/l	1	< 0.0043	0.0057	0.0044	0.0072
Silver	mg/l	5	< 0.0014	< 0.0014	< 0.0014	< 0.0014

Notes:

Refer to Laboratory Analytical Reports for full list of compounds analyzed, qualifiers and analytical notes.

Summary Table - Berm Samples - Organic Compounds

Project:	Midler Avenue, Syracuse, New York					
Project Number:	1537.005.001					
Client Sample ID:		CP-51 Soil Cleanup Levels	East Berm	East Berm - Duplicate	West Berm	West Berm- Duplicate
Lab Sample ID:			SC07188-01	SC07188-02	SC07188-03	SC07188-04
Date Sampled:			5/6/2015	5/6/2015	5/6/2015	5/6/2015
Matrix:			Soil	Soil	Soil	Soil
NYSDEC STARS List Petroleum Constituents VOCs (SW846 8260C)						
Benzene	ug/kg	60	< 1.4	< 1.5	< 12.0	< 1.0
n-Butylbenzene	ug/kg	12000	< 2.1	< 2.3	< 18.9	< 1.6
sec-Butylbenzene	ug/kg	11000	< 5.8	< 6.3	< 51.7	< 4.4
tert-Butylbenzene	ug/kg	5900	< 4.9	< 5.3	< 43.4	< 3.7
Ethylbenzene	ug/kg	1000	< 1.3	< 1.4	< 11.6	< 1.0
Isopropylbenzene	ug/kg	100000	< 1.4	< 1.5	< 12.6	< 1.1
4-Isopropyltoluene	ug/kg	NS	< 7.0	< 7.6	< 62.0	< 5.3
Methyl tert-butyl ether	ug/kg	930	< 2.9	< 3.1	< 25.5	< 2.2
Naphthalene	ug/kg	12000	< 6.8	< 7.4	< 60.6	< 5.1
n-Propylbenzene	ug/kg	3900	< 7.2	< 7.8	< 64.0	< 5.4
Toluene	ug/kg	700	< 1.7	< 1.9	< 15.2	< 1.3
1,2,4-Trimethylbenzene	ug/kg	3600	< 1.9	< 2.0	< 16.6	< 1.4
1,3,5-Trimethylbenzene	ug/kg	8400	< 2.1	< 2.3	< 19.0	< 1.6
m,p-Xylene	ug/kg	260	< 1.5	< 1.6	19.8	< 1.1
o-Xylene	ug/kg	260	< 1.6	< 1.7	< 14.1	< 1.2
NYSDEC STARS List Petroleum Constituents SVOCs (SW846 8270D)						
Acenaphthene	ug/kg	2000	< 99.3	< 100	1300	390
Acenaphthylene	ug/kg	100000	< 90.3	< 91.2	213	185
Anthracene	ug/kg	100000	151	120	2720	851
Benzo (a) anthracene	ug/kg	1000	613	410	5450	3280
Benzo (a) pyrene	ug/kg	1000	598	395	4170	2850
Benzo (b) fluoranthene	ug/kg	1000	764	537	6010	4220
Benzo (g,h,i) perylene	ug/kg	100000	311	219	2170	1640
Benzo (k) fluoranthene	ug/kg	800	292	163	1750	1200
Chrysene	ug/kg	1000	517	376	4280	2980
Dibenzo (a,h) anthracene	ug/kg	330	< 78.2	< 78.9	605	411
Fluoranthene	ug/kg	100000	1070	743	13100	7150
Fluorene	ug/kg	30000	< 102	< 103	1590	322
Indeno (1,2,3-cd) pyrene	ug/kg	500	387	253	2680	1890
1-Methylnaphthalene	ug/kg	NS	< 108	< 109	492	< 101
2-Methylnaphthalene	ug/kg	410	< 87.8	< 88.7	525	103
Naphthalene	ug/kg	12000	< 86.7	< 87.6	510	179
Phenanthrene	ug/kg	10000	474	479	9950	4140
Pyrene	ug/kg	10000	898	655	7680	6190
Total SVOCs	ug/kg	500000	6075	4350	65195	37981
PCBs (SW846 8082)						
Aroclor-1016	ug/kg	1,000	< 20.9	< 20.9	< 20.6	< 20.1
Aroclor-1221	ug/kg	1,000	< 17.8	< 17.8	< 17.5	< 17.1
Aroclor-1232	ug/kg	1,000	< 20.8	< 20.8	< 20.5	< 20.0
Aroclor-1242	ug/kg	1,000	< 14.4	< 14.4	< 14.2	< 13.8
Aroclor-1248	ug/kg	1,000	< 14.5	< 14.5	< 14.3	< 14.0
Aroclor-1254	ug/kg	1,000	< 16.0	< 16.0	< 15.7	< 15.4
Aroclor-1260	ug/kg	1,000	208	262	50	36.4
Aroclor-1262	ug/kg	1,000	< 20.8	< 20.8	< 20.4	< 20.0
Aroclor-1268	ug/kg	1,000	< 22.8	< 22.8	< 22.4	< 21.9

Notes:
Refer to Laboratory Analytical Reports for full list of compounds analyzed, qualifiers and analytical notes.
CP-51 Soil Cleanup Levels - NYSDEC Commissioners Policy Soil Cleanup Guidance
PCB CP-51 Soil Cleanup Level is 1,000 ug/kg for surface soils and 10,000 ug/kg for subsurface soils.
Shaded results exceed CP-51 Soil Cleanup Levels
NS - no individual soil cleanup level

Attachment C

Laboratory Analytical Report

Report Date:
18-May-15 11:40

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

Barton & Loguidice, D.P.C.
11 Centre Park Suite 203
Rochester, NY 14614
Attn: Greg Lesniak

Project: Pioneer Midler Ave - Syracuse, NY
Project #: 1537.005.001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC07188-01	East Berm	Soil	06-May-15 08:51	06-May-15 11:30
SC07188-02	East Berm - Dupe	Soil	06-May-15 08:51	06-May-15 11:30
SC07188-03	West Berm	Soil	06-May-15 09:45	06-May-15 11:30
SC07188-04	West Berm - Dupe	Soil	06-May-15 09:45	06-May-15 11:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 19 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our 'Quality' web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 12.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

All volatile soil/product/solid samples should be collected in accordance method SW846 5035/5035A. Any sample with a result below 200ug/Kg that has not been collected in accordance with method 5035/5035A must be evaluated as potentially biased low.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C

Calibration:

1504013

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

S502844-ICV1

1504015

Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

1509227-BLK1
1509227-BS1
1509227-BSD1
East Berm
East Berm - Dupe
S503006-ICV1
S504458-CCV1
West Berm - Dupe

Samples:

SC07188-03 *West Berm*

Elevated Reporting Limits due to the presence of high levels of non-target analytes; sample may not meet client requested reporting limit for this reason.

SW846 8270D

Samples:

SC07188-01 *East Berm*

The Reporting Limit has been raised to account for matrix interference.

SC07188-02 *East Berm - Dupe*

The Reporting Limit has been raised to account for matrix interference.

SC07188-03 *West Berm*

The Reporting Limit has been raised to account for matrix interference.

SC07188-04 *West Berm - Dupe*

The Reporting Limit has been raised to account for matrix interference.

Sample Acceptance Check Form

Client:	Barton & Loguidice, D.P.C. - Rochester, NY
Project:	Pioneer Midler Ave - Syracuse, NY / 1537.005.001
Work Order:	SC07188
Sample(s) received on:	5/6/2015

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☐	☑	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm	1537.005.001	Soil	06-May-15 08:51	06-May-15
SC07188-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	08-May-15	08-May-15	DT	1509058	
Volatile Organic Full Aromatics by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.32 g							
71-43-2	Benzene	< 1.4	UJL	µg/kg dry	7.5	1.4	1	SW846 8260C	12-May-15	12-May-15	SJB	1509227	X
104-51-8	n-Butylbenzene	< 2.1	UJL	µg/kg dry	7.5	2.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.8	UJL	µg/kg dry	7.5	5.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.9	UJL	µg/kg dry	7.5	4.9	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.3	UJL	µg/kg dry	7.5	1.3	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.4	UJL	µg/kg dry	7.5	1.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 7.0	UJL	µg/kg dry	7.5	7.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2.9	UJL	µg/kg dry	7.5	2.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 6.8	UJL	µg/kg dry	7.5	6.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 7.2	UJL	µg/kg dry	7.5	7.2	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.7	UJL	µg/kg dry	7.5	1.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.9	UJL	µg/kg dry	7.5	1.9	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 2.1	UJL	µg/kg dry	7.5	2.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.5	UJL	µg/kg dry	14.9	1.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.6	UJL	µg/kg dry	7.5	1.6	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*121*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 99.3	U, D	µg/kg dry	426	99.3	5	SW846 8270D	11-May-15	15-May-15	MSL	1509090	X
208-96-8	Acenaphthylene	< 90.3	U, D	µg/kg dry	426	90.3	5	"	"	"	"	"	X
120-12-7	Anthracene	**151**	J, D	µg/kg dry	426	97.4	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**613**	D	µg/kg dry	426	88.2	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**598**	D	µg/kg dry	426	88.7	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**764**	D	µg/kg dry	426	97.0	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**311**	J, D	µg/kg dry	426	92.2	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**292**	J, D	µg/kg dry	426	97.0	5	"	"	"	"	"	X
218-01-9	Chrysene	**517**	D	µg/kg dry	426	104	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 78.2	U, D	µg/kg dry	426	78.2	5	"	"	"	"	"	X
206-44-0	Fluoranthene	**1,070**	D	µg/kg dry	426	107	5	"	"	"	"	"	X
86-73-7	Fluorene	< 102	U, D	µg/kg dry	426	102	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**387**	J, D	µg/kg dry	426	87.1	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 108	U, D	µg/kg dry	426	108	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 87.8	U, D	µg/kg dry	426	87.8	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 86.7	U, D	µg/kg dry	426	86.7	5	"	"	"	"	"	X
85-01-8	Phenanthrene	**474**	D	µg/kg dry	426	104	5	"	"	"	"	"	X
129-00-0	Pyrene	**898**	D	µg/kg dry	426	90.7	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm SC07188-01	1537.005.001	Soil	06-May-15 08:51	06-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270 Prepared by method SW846 3545A			R01										
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*69*			*30-130 %*			SW846 8270D	11-May-15	15-May-15	MSL	1509090	
1718-51-0	*Terphenyl-dl4*	*66*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75*			*30-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**77.9**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509145	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm - Dupe SC07188-02	1537.005.001	Soil	06-May-15 08:51	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	08-May-15	08-May-15	DT	1509058	
Volatile Organic Full Aromatics by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.99 g							
71-43-2	Benzene	< 1.5	UJL	µg/kg dry	8.1	1.5	1	SW846 8260C	12-May-15	12-May-15	SJB	1509227	X
104-51-8	n-Butylbenzene	< 2.3	UJL	µg/kg dry	8.1	2.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 6.3	UJL	µg/kg dry	8.1	6.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.3	UJL	µg/kg dry	8.1	5.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.4	UJL	µg/kg dry	8.1	1.4	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.5	UJL	µg/kg dry	8.1	1.5	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 7.6	UJL	µg/kg dry	8.1	7.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 3.1	UJL	µg/kg dry	8.1	3.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 7.4	UJL	µg/kg dry	8.1	7.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 7.8	UJL	µg/kg dry	8.1	7.8	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.9	UJL	µg/kg dry	8.1	1.9	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 2.0	UJL	µg/kg dry	8.1	2.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 2.3	UJL	µg/kg dry	8.1	2.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.6	UJL	µg/kg dry	16.1	1.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.7	UJL	µg/kg dry	8.1	1.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*115*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 100	U, D	µg/kg dry	430	100	5	SW846 8270D	11-May-15	15-May-15	MSL	1509090	X
208-96-8	Acenaphthylene	< 91.2	U, D	µg/kg dry	430	91.2	5	"	"	"	"	"	X
120-12-7	Anthracene	**120**	J, D	µg/kg dry	430	98.3	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**410**	J, D	µg/kg dry	430	89.0	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**395**	J, D	µg/kg dry	430	89.6	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**537**	D	µg/kg dry	430	97.9	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**219**	J, D	µg/kg dry	430	93.1	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**163**	J, D	µg/kg dry	430	97.9	5	"	"	"	"	"	X
218-01-9	Chrysene	**376**	J, D	µg/kg dry	430	105	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 78.9	U, D	µg/kg dry	430	78.9	5	"	"	"	"	"	X
206-44-0	Fluoranthene	**743**	D	µg/kg dry	430	108	5	"	"	"	"	"	X
86-73-7	Fluorene	< 103	U, D	µg/kg dry	430	103	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**253**	D, J	µg/kg dry	430	87.9	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 109	U, D	µg/kg dry	430	109	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 88.7	U, D	µg/kg dry	430	88.7	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 87.6	U, D	µg/kg dry	430	87.6	5	"	"	"	"	"	X
85-01-8	Phenanthrene	**479**	D	µg/kg dry	430	105	5	"	"	"	"	"	X
129-00-0	Pyrene	**655**	D	µg/kg dry	430	91.6	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm - Dupe SC07188-02	1537.005.001	Soil	06-May-15 08:51	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270 Prepared by method SW846 3545A			R01										
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*58*			*30-130 %*			SW846 8270D	11-May-15	15-May-15	MSL	1509090	
1718-51-0	*Terphenyl-dl4*	*56*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*			*30-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**76.6**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509145	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm SC07188-03	1537.005.001	Soil	06-May-15 09:45	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	08-May-15	08-May-15	DT	1509058	
Volatile Organic Full Aromatics by SW846 8260			R05										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 14.78 g						
71-43-2	Benzene	< 12.0	UJL, D	µg/kg dry	66.1	12.0	50	SW846 8260C	13-May-15	13-May-15	SJB	1509327	X
104-51-8	n-Butylbenzene	< 18.9	UJL, D	µg/kg dry	66.1	18.9	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 51.7	UJL, D	µg/kg dry	66.1	51.7	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 43.4	UJL, D	µg/kg dry	66.1	43.4	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 11.6	UJL, D	µg/kg dry	66.1	11.6	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 12.6	UJL, D	µg/kg dry	66.1	12.6	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 62.0	UJL, D	µg/kg dry	66.1	62.0	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 25.5	UJL, D	µg/kg dry	66.1	25.5	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 60.6	UJL, D	µg/kg dry	66.1	60.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 64.0	UJL, D	µg/kg dry	66.1	64.0	50	"	"	"	"	"	X
108-88-3	Toluene	< 15.2	UJL, D	µg/kg dry	66.1	15.2	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 16.6	UJL, D	µg/kg dry	66.1	16.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 19.0	UJL, D	µg/kg dry	66.1	19.0	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**19.8**	JL, D	µg/kg dry	132	13.0	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 14.1	UJL, D	µg/kg dry	66.1	14.1	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*89*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	**1,300**	D	µg/kg dry	383	89.4	5	SW846 8270D	11-May-15	15-May-15	MSL	1509090	X
208-96-8	Acenaphthylene	**213**	D, J	µg/kg dry	383	81.3	5	"	"	"	"	"	X
120-12-7	Anthracene	**2,720**	D	µg/kg dry	383	87.7	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**5,450**	D	µg/kg dry	383	79.4	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**4,170**	D	µg/kg dry	383	79.9	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**6,010**	D	µg/kg dry	383	87.4	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**2,170**	D	µg/kg dry	383	83.1	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**1,750**	D	µg/kg dry	383	87.4	5	"	"	"	"	"	X
218-01-9	Chrysene	**4,280**	D	µg/kg dry	383	93.7	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	**605**	D	µg/kg dry	383	70.4	5	"	"	"	"	"	X
206-44-0	Fluoranthene	**13,100**	D	µg/kg dry	383	96.3	5	"	"	"	"	"	X
86-73-7	Fluorene	**1,590**	D	µg/kg dry	383	91.9	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**2,680**	D	µg/kg dry	383	78.4	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**492**	D	µg/kg dry	383	97.0	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	**525**	D	µg/kg dry	383	79.1	5	"	"	"	"	"	X
91-20-3	Naphthalene	**510**	D	µg/kg dry	383	78.1	5	"	"	"	"	"	X
85-01-8	Phenanthrene	**9,950**	D	µg/kg dry	383	93.6	5	"	"	"	"	"	X
129-00-0	Pyrene	**7,680**	D	µg/kg dry	383	81.7	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm SC07188-03	1537.005.001	Soil	06-May-15 09:45	06-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270 Prepared by method SW846 3545A			R01										
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*56*			*30-130 %*			SW846 8270D	11-May-15	15-May-15	MSL	1509090	
1718-51-0	*Terphenyl-dl4*	*57*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*59*			*30-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**86.8**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509145	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm - Dupe SC07188-04	1537.005.001	Soil	06-May-15 09:45	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Lab extracted**		N/A			1	VOC Soil Extraction	08-May-15	08-May-15	DT	1509058	
Volatile Organic Full Aromatics by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.48 g							
71-43-2	Benzene	< 1.0	UJL	µg/kg dry	5.6	1.0	1	SW846 8260C	12-May-15	12-May-15	SJB	1509227	X
104-51-8	n-Butylbenzene	< 1.6	UJL	µg/kg dry	5.6	1.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.4	UJL	µg/kg dry	5.6	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 3.7	UJL	µg/kg dry	5.6	3.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0	UJL	µg/kg dry	5.6	1.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.1	UJL	µg/kg dry	5.6	1.1	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.3	UJL	µg/kg dry	5.6	5.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2.2	UJL	µg/kg dry	5.6	2.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.1	UJL	µg/kg dry	5.6	5.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.4	UJL	µg/kg dry	5.6	5.4	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.3	UJL	µg/kg dry	5.6	1.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.4	UJL	µg/kg dry	5.6	1.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.6	UJL	µg/kg dry	5.6	1.6	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.1	UJL	µg/kg dry	11.2	1.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.2	UJL	µg/kg dry	5.6	1.2	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*127*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	**390**	D, J	µg/kg dry	398	92.7	5	SW846 8270D	11-May-15	15-May-15	MSL	1509090	X
208-96-8	Acenaphthylene	**185**	J, D	µg/kg dry	398	84.4	5	"	"	"	"	"	X
120-12-7	Anthracene	**851**	D	µg/kg dry	398	91.0	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**3,280**	D	µg/kg dry	398	82.3	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**2,850**	D	µg/kg dry	398	82.9	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**4,220**	D	µg/kg dry	398	90.6	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**1,640**	D	µg/kg dry	398	86.2	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**1,200**	D	µg/kg dry	398	90.6	5	"	"	"	"	"	X
218-01-9	Chrysene	**2,980**	D	µg/kg dry	398	97.2	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	**411**	D	µg/kg dry	398	73.0	5	"	"	"	"	"	X
206-44-0	Fluoranthene	**7,150**	D	µg/kg dry	398	99.9	5	"	"	"	"	"	X
86-73-7	Fluorene	**322**	J, D	µg/kg dry	398	95.3	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**1,890**	D	µg/kg dry	398	81.3	5	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 101	U, D	µg/kg dry	398	101	5	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	**103**	D, J	µg/kg dry	398	82.0	5	"	"	"	"	"	X
91-20-3	Naphthalene	**179**	J, D	µg/kg dry	398	81.0	5	"	"	"	"	"	X
85-01-8	Phenanthrene	**4,140**	D	µg/kg dry	398	97.1	5	"	"	"	"	"	X
129-00-0	Pyrene	**6,190**	D	µg/kg dry	398	84.7	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm - Dupe SC07188-04	1537.005.001	Soil	06-May-15 09:45	06-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270 Prepared by method SW846 3545A			R01										
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*			SW846 8270D	11-May-15	15-May-15	MSL	1509090	
1718-51-0	*Terphenyl-dl4*	*73*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*76*			*30-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**83.4**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509145	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509227 - SW846 5035A Soil (low level)										
Blank (1509227-BLK1)					Prepared & Analyzed: 12-May-15					
Benzene	< 0.9		µg/kg wet	0.9						
n-Butylbenzene	< 1.4		µg/kg wet	1.4						
sec-Butylbenzene	< 3.9		µg/kg wet	3.9						
tert-Butylbenzene	< 3.3		µg/kg wet	3.3						
Ethylbenzene	< 0.9		µg/kg wet	0.9						
Isopropylbenzene	< 1.0		µg/kg wet	1.0						
4-Isopropyltoluene	< 4.7		µg/kg wet	4.7						
Methyl tert-butyl ether	< 1.9		µg/kg wet	1.9						
Naphthalene	< 4.6		µg/kg wet	4.6						
n-Propylbenzene	< 4.8		µg/kg wet	4.8						
Toluene	< 1.2		µg/kg wet	1.2						
1,2,4-Trimethylbenzene	< 1.3		µg/kg wet	1.3						
1,3,5-Trimethylbenzene	< 1.4		µg/kg wet	1.4						
m,p-Xylene	< 1.0		µg/kg wet	1.0						
o-Xylene	< 1.1		µg/kg wet	1.1						
Surrogate: 4-Bromofluorobenzene	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*54.2*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.5*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*58.0*		µg/kg wet		*50.0*		*116*	*70-130*		
LCS (1509227-BS1)					Prepared & Analyzed: 12-May-15					
Benzene	**21.3**		µg/kg wet		20.0		107	70-130		
n-Butylbenzene	**16.2**		µg/kg wet		20.0		81	70-130		
sec-Butylbenzene	**20.2**		µg/kg wet		20.0		101	70-130		
tert-Butylbenzene	**20.2**		µg/kg wet		20.0		101	70-130		
Ethylbenzene	**19.6**		µg/kg wet		20.0		98	70-130		
Isopropylbenzene	**19.9**		µg/kg wet		20.0		99	70-130		
4-Isopropyltoluene	**18.4**		µg/kg wet		20.0		92	70-130		
Methyl tert-butyl ether	**23.3**		µg/kg wet		20.0		116	70-130		
Naphthalene	**17.5**		µg/kg wet		20.0		87	70-130		
n-Propylbenzene	**20.2**		µg/kg wet		20.0		101	70-130		
Toluene	**21.6**		µg/kg wet		20.0		108	70-130		
1,2,4-Trimethylbenzene	**23.5**		µg/kg wet		20.0		118	70-130		
1,3,5-Trimethylbenzene	**21.6**		µg/kg wet		20.0		108	70-130		
m,p-Xylene	**19.8**		µg/kg wet		20.0		99	70-130		
o-Xylene	**20.7**		µg/kg wet		20.0		104	70-130		
Surrogate: 4-Bromofluorobenzene	*53.5*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*52.7*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.4*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*53.6*		µg/kg wet		*50.0*		*107*	*70-130*		
LCS Dup (1509227-BSD1)					Prepared & Analyzed: 12-May-15					
Benzene	**21.8**		µg/kg wet		20.0		109	70-130	2	30
n-Butylbenzene	**15.9**		µg/kg wet		20.0		79	70-130	2	30
sec-Butylbenzene	**20.5**		µg/kg wet		20.0		102	70-130	1	30
tert-Butylbenzene	**20.2**		µg/kg wet		20.0		101	70-130	0.3	30
Ethylbenzene	**19.9**		µg/kg wet		20.0		100	70-130	2	30
Isopropylbenzene	**20.2**		µg/kg wet		20.0		101	70-130	2	30
4-Isopropyltoluene	**17.7**		µg/kg wet		20.0		89	70-130	4	30
Methyl tert-butyl ether	**24.1**		µg/kg wet		20.0		121	70-130	4	30
Naphthalene	**18.0**		µg/kg wet		20.0		90	70-130	3	30
n-Propylbenzene	**20.2**		µg/kg wet		20.0		101	70-130	0.05	30
Toluene	**22.1**		µg/kg wet		20.0		110	70-130	2	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509227 - SW846 5035A Soil (low level)										
LCS Dup (1509227-BSD1)					Prepared & Analyzed: 12-May-15					
1,2,4-Trimethylbenzene	**22.2**		µg/kg wet		20.0		111	70-130	6	30
1,3,5-Trimethylbenzene	**20.8**		µg/kg wet		20.0		104	70-130	4	30
m,p-Xylene	**20.3**		µg/kg wet		20.0		101	70-130	2	30
o-Xylene	**20.9**		µg/kg wet		20.0		104	70-130	0.7	30
Surrogate: 4-Bromofluorobenzene	*54.5*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Toluene-d8	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.8*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*54.2*		µg/kg wet		*50.0*		*108*	*70-130*		
Batch 1509327 - SW846 5035A Soil (high level)										
Blank (1509327-BLK1)					Prepared & Analyzed: 13-May-15					
Benzene	< 9.1	D	µg/kg wet	9.1						
n-Butylbenzene	< 14.3	D	µg/kg wet	14.3						
sec-Butylbenzene	< 39.1	D	µg/kg wet	39.1						
tert-Butylbenzene	< 32.8	D	µg/kg wet	32.8						
Ethylbenzene	< 8.8	D	µg/kg wet	8.8						
Isopropylbenzene	< 9.5	D	µg/kg wet	9.5						
4-Isopropyltoluene	< 46.9	D	µg/kg wet	46.9						
Methyl tert-butyl ether	< 19.3	D	µg/kg wet	19.3						
Naphthalene	< 45.8	D	µg/kg wet	45.8						
n-Propylbenzene	< 48.4	D	µg/kg wet	48.4						
Toluene	< 11.5	D	µg/kg wet	11.5						
1,2,4-Trimethylbenzene	< 12.6	D	µg/kg wet	12.6						
1,3,5-Trimethylbenzene	< 14.4	D	µg/kg wet	14.4						
m,p-Xylene	< 9.8	D	µg/kg wet	9.8						
o-Xylene	< 10.6	D	µg/kg wet	10.6						
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.3*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
LCS (1509327-BS1)					Prepared & Analyzed: 13-May-15					
Benzene	**18.7**	D	µg/kg wet		20.0		93	70-130		
n-Butylbenzene	**18.4**	D	µg/kg wet		20.0		92	70-130		
sec-Butylbenzene	**21.8**	D	µg/kg wet		20.0		109	70-130		
tert-Butylbenzene	**22.1**	D	µg/kg wet		20.0		110	70-130		
Ethylbenzene	**20.1**	D	µg/kg wet		20.0		100	70-130		
Isopropylbenzene	**21.0**	D	µg/kg wet		20.0		105	70-130		
4-Isopropyltoluene	**19.3**	D	µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	**17.0**	D	µg/kg wet		20.0		85	70-130		
Naphthalene	**20.2**	D	µg/kg wet		20.0		101	70-130		
n-Propylbenzene	**20.5**	D	µg/kg wet		20.0		102	70-130		
Toluene	**19.4**	D	µg/kg wet		20.0		97	70-130		
1,2,4-Trimethylbenzene	**20.7**	D	µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	**20.8**	D	µg/kg wet		20.0		104	70-130		
m,p-Xylene	**20.9**	D	µg/kg wet		20.0		105	70-130		
o-Xylene	**20.8**	D	µg/kg wet		20.0		104	70-130		
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.2*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
LCS Dup (1509327-BSD1)					Prepared & Analyzed: 13-May-15					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509327 - SW846 5035A Soil (high level)										
LCS Dup (1509327-BSD1)					Prepared & Analyzed: 13-May-15					
Benzene	**18.6**	D	µg/kg wet		20.0		93	70-130	0.6	30
n-Butylbenzene	**18.7**	D	µg/kg wet		20.0		94	70-130	2	30
sec-Butylbenzene	**22.4**	D	µg/kg wet		20.0		112	70-130	3	30
tert-Butylbenzene	**22.6**	D	µg/kg wet		20.0		113	70-130	2	30
Ethylbenzene	**20.4**	D	µg/kg wet		20.0		102	70-130	2	30
Isopropylbenzene	**21.6**	D	µg/kg wet		20.0		108	70-130	3	30
4-Isopropyltoluene	**19.2**	D	µg/kg wet		20.0		96	70-130	0.2	30
Methyl tert-butyl ether	**16.7**	D	µg/kg wet		20.0		84	70-130	2	30
Naphthalene	**19.2**	D	µg/kg wet		20.0		96	70-130	5	30
n-Propylbenzene	**20.9**	D	µg/kg wet		20.0		105	70-130	2	30
Toluene	**19.5**	D	µg/kg wet		20.0		98	70-130	0.6	30
1,2,4-Trimethylbenzene	**21.1**	D	µg/kg wet		20.0		106	70-130	2	30
1,3,5-Trimethylbenzene	**21.2**	D	µg/kg wet		20.0		106	70-130	2	30
m,p-Xylene	**20.8**	D	µg/kg wet		20.0		104	70-130	0.3	30
o-Xylene	**21.4**	D	µg/kg wet		20.0		107	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*31.1*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.0*		µg/kg wet		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509090 - SW846 3545A										
Blank (1509090-BLK1)						Prepared & Analyzed: 11-May-15				
Acenaphthene	< 15.5	U	µg/kg wet	15.5						
Acenaphthylene	< 14.1	U	µg/kg wet	14.1						
Anthracene	< 15.2	U	µg/kg wet	15.2						
Benzo (a) anthracene	< 13.7	U	µg/kg wet	13.7						
Benzo (a) pyrene	< 13.8	U	µg/kg wet	13.8						
Benzo (b) fluoranthene	< 15.1	U	µg/kg wet	15.1						
Benzo (g,h,i) perylene	< 14.4	U	µg/kg wet	14.4						
Benzo (k) fluoranthene	< 15.1	U	µg/kg wet	15.1						
Chrysene	< 16.2	U	µg/kg wet	16.2						
Dibenzo (a,h) anthracene	< 12.2	U	µg/kg wet	12.2						
Fluoranthene	< 16.7	U	µg/kg wet	16.7						
Fluorene	< 15.9	U	µg/kg wet	15.9						
Indeno (1,2,3-cd) pyrene	< 13.6	U	µg/kg wet	13.6						
1-Methylnaphthalene	< 16.8	U	µg/kg wet	16.8						
2-Methylnaphthalene	< 13.7	U	µg/kg wet	13.7						
Naphthalene	< 13.5	U	µg/kg wet	13.5						
Phenanthrene	< 16.2	U	µg/kg wet	16.2						
Pyrene	< 14.1	U	µg/kg wet	14.1						
Surrogate: 2-Fluorobiphenyl	*1230*		µg/kg wet		*1660*		*74*	*30-130*		
Surrogate: Terphenyl-dl4	*1290*		µg/kg wet		*1660*		*78*	*30-130*		
Surrogate: Nitrobenzene-d5	*1280*		µg/kg wet		*1660*		*77*	*30-130*		
LCS (1509090-BS1)						Prepared: 11-May-15		Analyzed: 12-May-15		
Acenaphthene	**1120**		µg/kg wet	15.4	1650		68	40-140		
Acenaphthylene	**1180**		µg/kg wet	14.0	1650		71	40-140		
Anthracene	**1290**		µg/kg wet	15.1	1650		78	40-140		
Benzo (a) anthracene	**1230**		µg/kg wet	13.7	1650		75	40-140		
Benzo (a) pyrene	**1350**		µg/kg wet	13.8	1650		82	40-140		
Benzo (b) fluoranthene	**1420**		µg/kg wet	15.1	1650		86	40-140		
Benzo (g,h,i) perylene	**1230**		µg/kg wet	14.3	1650		75	40-140		
Benzo (k) fluoranthene	**1260**		µg/kg wet	15.1	1650		76	40-140		
Chrysene	**1270**		µg/kg wet	16.2	1650		77	40-140		
Dibenzo (a,h) anthracene	**1260**		µg/kg wet	12.1	1650		76	40-140		
Fluoranthene	**1280**		µg/kg wet	16.6	1650		78	40-140		
Fluorene	**1210**		µg/kg wet	15.8	1650		73	40-140		
Indeno (1,2,3-cd) pyrene	**1390**		µg/kg wet	13.5	1650		84	40-140		
1-Methylnaphthalene	**1070**		µg/kg wet	16.7	1650		65	40-140		
2-Methylnaphthalene	**1110**		µg/kg wet	13.6	1650		67	40-140		
Naphthalene	**952**		µg/kg wet	13.5	1650		58	40-140		
Phenanthrene	**1230**		µg/kg wet	16.1	1650		75	40-140		
Pyrene	**1310**		µg/kg wet	14.1	1650		79	40-140		
Surrogate: 2-Fluorobiphenyl	*1140*		µg/kg wet		*1650*		*69*	*30-130*		
Surrogate: Terphenyl-dl4	*1340*		µg/kg wet		*1650*		*81*	*30-130*		
Surrogate: Nitrobenzene-d5	*1100*		µg/kg wet		*1650*		*66*	*30-130*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509145 - General Preparation										
Duplicate (1509145-DUP2)			**Source: SC07188-01**			Prepared & Analyzed: 11-May-15				
% Solids	**80.3**		%			77.9			3	5

The following list indicates the date and time low-level VOC soil/sediment samples were placed in the freezer at the lab:

SC07188-01	*East Berm*	5/8/2015 5:57 PM
SC07188-02	*East Berm - Dupe*	5/8/2015 5:57 PM
SC07188-03	*West Berm*	5/8/2015 5:57 PM
SC07188-04	*West Berm - Dupe*	5/8/2015 5:57 PM

Notes and Definitions

D	Data reported from a dilution
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
JL	Estimated Concentration is potentially biased low (per NYSDEC).
R01	The Reporting Limit has been raised to account for matrix interference.
R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes; sample may not meet client requested reporting limit for this reason.
U	Analyte included in the analysis, but not detected at or above the MDL.
UJL	Non-detect is potentially biased low (per NYSDEC).
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Rebecca Merz

SC07188 BM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Attn: Greg Lesniak
Barton and Loguidice
11 Centre Park Suite 203
Rochester, NY 14614
Telephone #: 585-325-7160
Project Mgr: Greg Lesniak

Invoice To: B+L

P.O No.: _____ Quote/RQN: _____

Project No: 1537.005.001
Site Name: Pioneer Middle Ave.
Location: Syracuse, NY State: NY
Sampler(s): Matt J. Kwiatkowski

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= None 12= _____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= _____ X2= _____ X3= _____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below: 11	n	Analysis: 8270 SVOCs STARS	8260 VOCs STARS	Check if chlorinated
SC07188-01	East Berm	5/6/15	8:51	C	SO		2					X	X	☐
02	East Berm - Dupe		8:51	C	SO		2					X	X	☐
03	West Berm		9:45	C	SO		2					X	X	☐
04	West Berm - Dupe		9:45	C	SO		2					X	X	☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

250, 125 IR

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	5/6/15	1130
[signature]	Tony (GPI.23)	5/7/15	7:05
Tony (GPI.23)			
	[signature]	5/7/15	1625

Temp °C: Observed 2.3; Correction Factor 0; Corrected 2.3; IR ID # 5

☐ EDD format:
☒ E-mail to: gleslniak@bartonandloguidice.com, mkwiatkowski@bartonandloguidice.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC07188 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: ______
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Attn: Greg Lesniak
Barton and Loguidice
11 Centre Park Suite 203
Rochester, NY 14614
Telephone #: 585-325-7190
Project Mgr: Greg Lesniak

Invoice To: B+L
P.O No.: ______ Quote/RQN: ______

Project No: 1537.005.001
Site Name: Pioneer Miller Ave.
Location: Syracuse, NY State: NY
Sampler(s): Matt S. Kadlik

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= None 12= ______

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= ______ X2= ______ X3= ______

G= Grab C=Compsite

List Preservative Code below: 11 | n

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8270 SVOCs STARS	8260 VOCs STARS	Check if chlorinated
SC07188-01	East Berm	5/6/15	8:51	C	SO		~~2~~ 1			X	X	☐
02	East Berm - Dupe	↓	8:51	C	SO		~~2~~ 1			X	X	☐
03	West Berm	↓	9:45	C	SO		~~2~~ 1			X	X	☐
04	West Berm - Dupe	↓	9:45	C	SO		~~2~~ 1			X	X	☐

1 Jar received per sample client notified [initials] on 5/11

250,125 IR

QA/QC Reporting Notes:
* additional charges may appply
MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: ______
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	5/6/15	1130	Observed 2.3
[signature]	Tony (Spec-230)	5/7/15	7:05	Correction Factor 0
Tony (Spec-230)				Corrected 2.3
	[signature]	5/7/15	1025	IR ID # 4

☐ EDD format:
☒ E-mail to: glesniak@bartonandloguidice.com
mkadlik@ "

Condition upon receipt: ☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen
Custody Seals: ☐ Present ☐ Intact ☐ Broken

Report Date:
18-May-15 13:16

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

Barton & Loguidice, D.P.C.
11 Centre Park Suite 203
Rochester, NY 14614
Attn: Greg Lesniak

Project: Pioneer Midler Ave - Syracuse, NY
Project #: 1537.005.001

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC07186-01	East Berm	Soil	06-May-15 10:30	06-May-15 11:30
SC07186-02	East Berm - Dupe	Soil	06-May-15 10:30	06-May-15 11:30
SC07186-03	West Berm - Dupe	Soil	06-May-15 10:45	06-May-15 11:30
SC07186-04	West Berm	Soil	06-May-15 10:45	06-May-15 11:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 32 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our 'Quality' web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 12.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Analyses for Total Hardness, pH, and Total Residual Chlorine fall under the state of Pennsylvania code Chapter 252.6 accreditation by rule.

Reactivity (40 CFR 261.23) Case Narrative:

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2) and (4); however, Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

Reactive sulfide and cyanide are tested at a pH of 2 and not tested at all conditions between pH 2 and12.5 as stated in 40 CFR 261.23, section (5); thus reactive cyanide and sulfide results as reported in this document can not be used to support the nonreactive properties of these samples.

The responsibility falls on the generator to use knowledge of the waste to determine if the waste meets or does not meet the descriptive, prose definition of reactivity.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 1030

Samples:

SC07186-01 *East Berm*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SC07186-02 *East Berm - Dupe*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SC07186-03 *West Berm - Dupe*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SC07186-04 *West Berm*

SW846 1030

Samples:

SC07186-04 *West Berm*

A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.

Ignitability by Definition

SW846 1311/7470A

S504734-CRL2

Standard was rerun and passed within the method criteria

Mercury

SW846 1311/8270D

Calibration:

1505031

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
4-Nitrophenol
Benzoic acid

This affected the following samples:

1509444-BLK1
1509444-BS1
1509444-BSD1
East Berm
East Berm - Dupe
S504308-ICV1
S504640-CCV1
West Berm
West Berm - Dupe

Laboratory Control Samples:

1509444 BS/BSD

4-Chloroaniline percent recoveries (34/30) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

East Berm
East Berm - Dupe
West Berm
West Berm - Dupe

Aniline percent recoveries (29/32) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

East Berm
East Berm - Dupe
West Berm
West Berm - Dupe

SW846 1311/8270D

Laboratory Control Samples:

1509444 BS/BSD

Benzidine percent recoveries (12/17) are outside individual acceptance criteria (40-140), but within overall method allowances.
All reported results of the following samples are considered to have a potentially low bias:

East Berm
East Berm - Dupe
West Berm
West Berm - Dupe

1509444 BSD

3-Nitroaniline RPD 22% (20%) is outside individual acceptance criteria.

Benzidine RPD 30% (20%) is outside individual acceptance criteria.

Benzyl alcohol RPD 25% (20%) is outside individual acceptance criteria.

Samples:

S504640-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (-51.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Nitrophenol (39.0%)

This affected the following samples:

1509444-BLK1
1509444-BS1
1509444-BSD1
East Berm
East Berm - Dupe
West Berm
West Berm - Dupe

Sample Acceptance Check Form

Client:	Barton & Loguidice, D.P.C. - Rochester, NY
Project:	Pioneer Midler Ave - Syracuse, NY / 1537.005.001
Work Order:	SC07186
Sample(s) received on:	5/6/2015

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☐	☑	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm	1537.005.001	Soil	06-May-15 10:30	06-May-15
SC07186-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	13-May-15	14-May-15	BD	1509403	X
TCLP Volatile Organic Compounds Prepared by method SW846 5030 Water MS						Initial weight: 5 ml							
71-43-2	Benzene	< 0.9	U, D	µg/l	5.0	0.9	5	SW846 1311/8260C	15-May-15	15-May-15	GMA	1509535	X
78-93-3	2-Butanone (MEK)	< 6.2	U, D	µg/l	50.0	6.2	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.1	U, D	µg/l	5.0	1.1	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0	U, D	µg/l	5.0	1.0	5	"	"	"	"	"	X
67-66-3	Chloroform	< 2.0	U, D	µg/l	5.0	2.0	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.2	U, D	µg/l	5.0	1.2	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.8	U, D	µg/l	5.0	0.8	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.4	U, D	µg/l	5.0	1.4	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.0	U, D	µg/l	2.5	2.0	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**9.9**	D	µg/l	5.0	2.9	5	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.9	U, D	µg/l	5.0	1.9	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.7	U, D	µg/l	5.0	1.7	5	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
TCLP Extraction for Semivolatiles Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509197	X
	Final pH of leachate	**6.57**		N/A			1	"	"	"	"	"	
TCLP Semivolatiles Prepared by method SW846 3535A													
83-32-9	Acenaphthene	< 2.13	U	µg/l	5.00	2.13	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
208-96-8	Acenaphthylene	< 2.16	U	µg/l	5.00	2.16	1	"	"	"	"	"	X
62-53-3	Aniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
120-12-7	Anthracene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 2.46	U	µg/l	5.00	2.46	1	"	"	"	"	"	
92-87-5	Benzidine	< 2.68	U	µg/l	5.00	2.68	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 2.08	U	µg/l	5.00	2.08	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 2.73	U	µg/l	5.00	2.73	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 1.98	U	µg/l	5.00	1.98	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 2.23	U	µg/l	5.00	2.23	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm	1537.005.001	Soil	06-May-15 10:30	06-May-15
SC07186-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles													
Prepared by method SW846 3535A													
108-60-1	Bis(2-chloroisopropyl)ether	< 2.22	U	µg/l	5.00	2.22	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
86-74-8	Carbazole	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 2.43	U	µg/l	5.00	2.43	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 2.00	U	µg/l	5.00	2.00	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
218-01-9	Chrysene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 2.52	U	µg/l	5.00	2.52	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2.05	U	µg/l	5.00	2.05	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 2.28	U	µg/l	5.00	2.28	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 2.12	U	µg/l	5.00	2.12	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 2.50	U	µg/l	5.00	2.50	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 1.87	U	µg/l	5.00	1.87	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 2.79	U	µg/l	5.00	2.79	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-73-7	Fluorene	< 2.31	U	µg/l	5.00	2.31	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 1.55	U	µg/l	5.00	1.55	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
78-59-1	Isophorone	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 2.19	U	µg/l	5.00	2.19	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 2.22	U	µg/l	10.0	2.22	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 2.72	U	µg/l	5.00	2.72	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm	1537.005.001	Soil	06-May-15 10:30	06-May-15
SC07186-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles Prepared by method SW846 3535A													
98-95-3	Nitrobenzene	< 2.12	U	µg/l	5.00	2.12	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
88-75-5	2-Nitrophenol	< 2.20	U	µg/l	5.00	2.20	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1.91	U	µg/l	5.00	1.91	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 2.58	U	µg/l	5.00	2.58	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
108-95-2	Phenol	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
129-00-0	Pyrene	< 2.42	U	µg/l	5.00	2.42	1	"	"	"	"	"	X
110-86-1	Pyridine	< 1.62	U	µg/l	5.00	1.62	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.99	U	µg/l	5.00	1.99	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 2.09	U	µg/l	5.00	2.09	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 1.97	U	µg/l	5.00	1.97	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*73*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*79*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*79*			*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*81*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*76*			*15-110 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.9	U	µg/kg dry	23.2	20.9	1	SW846 8082A	11-May-15	11-May-15	IMR	1509089	X
11104-28-2	Aroclor-1221	< 17.8	U	µg/kg dry	23.2	17.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.8	U	µg/kg dry	23.2	20.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.4	U	µg/kg dry	23.2	14.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.5	U	µg/kg dry	23.2	14.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 16.0	U	µg/kg dry	23.2	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**208**		µg/kg dry	23.2	16.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.8	U	µg/kg dry	23.2	20.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.8	U	µg/kg dry	23.2	22.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm SC07186-01	1537.005.001	Soil	06-May-15 10:30	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
TCLP Metals by EPA 1311 & 6000/7000 Series Methods													
TCLP Extraction for Hg Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509195	X
	Final pH of leachate	**6.65**		N/A			1	"	"	"	"	"	
TCLP Extraction for Metals Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	"	"	"	"	"	X
	Final pH of leachate	**6.65**		N/A			1	"	"	"	"	"	
7440-22-4	Silver	< 0.0014	U	mg/l	0.0050	0.0014	1	SW846 1311/6010C	14-May-15	15-May-15	EDT	1509320	X
7440-38-2	Arsenic	< 0.0026	U	mg/l	0.0040	0.0026	1	"	"	15-May-15	"	1509548	X
7440-39-3	Barium	**0.374**		mg/l	0.0500	0.0004	1	"	"	15-May-15	"	1509320	X
7440-43-9	Cadmium	**0.0005**	J	mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0028**	J	mg/l	0.0050	0.0010	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00009	U	mg/l	0.00020	0.00009	1	SW846 1311/7470A	"	15-May-15	YR	1509321	X
7439-92-1	Lead	< 0.0018	U	mg/l	0.0075	0.0018	1	SW846 1311/6010C	"	15-May-15	bjw	1509548	X
7782-49-2	Selenium	< 0.0043	U	mg/l	0.0150	0.0043	1	"	"	15-May-15	"	1509320	X
General Chemistry Parameters													
	% Solids	**86.0**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509144	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	12-May-15	12-May-15	BD	1509275	X
	Free Liquid	**Absent**		N/A			1	SW846 9095B	08-May-15	08-May-15	BD	1508979	X
	Ignitability by Definition	**Negative**	IgHT	N/A			1	SW846 1030	08-May-15 17:00	08-May-15 17:30	BD	1508980	X
	pH	**8.24**	pH	pH Units			1	SW846 9045D	11-May-15 10:59	11-May-15 16:27	BD	1509150	X
Reactivity Cyanide/Sulfide Prepared by method General Preparation													
	Reactivity	**See Narrative**		mg/kg dry			1	SW846 Ch. 7.3	11-May-15	11-May-15	TN	1509189	
57-12-5	Reactive Cyanide	< 24.7	U	mg/kg dry	24.7	24.7	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 49.4	U	mg/kg dry	49.4	49.4	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm - Dupe SC07186-02	1537.005.001	Soil	06-May-15 10:30	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	13-May-15	14-May-15	BD	1509403	X
TCLP Volatile Organic Compounds Prepared by method SW846 5030 Water MS						Initial weight: 5 ml							
71-43-2	Benzene	< 0.9	U, D	µg/l	5.0	0.9	5	SW846 1311/8260C	15-May-15	15-May-15	GMA	1509535	X
78-93-3	2-Butanone (MEK)	< 6.2	U, D	µg/l	50.0	6.2	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.1	U, D	µg/l	5.0	1.1	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0	U, D	µg/l	5.0	1.0	5	"	"	"	"	"	X
67-66-3	Chloroform	**2.4**	D, J	µg/l	5.0	2.0	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.2	U, D	µg/l	5.0	1.2	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.8	U, D	µg/l	5.0	0.8	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.4	U, D	µg/l	5.0	1.4	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.0	U, D	µg/l	2.5	2.0	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**10.8**	D	µg/l	5.0	2.9	5	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.9	U, D	µg/l	5.0	1.9	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.7	U, D	µg/l	5.0	1.7	5	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
TCLP Extraction for Semivolatiles Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509197	X
	Final pH of leachate	**6.48**		N/A			1	"	"	"	"	"	
TCLP Semivolatiles Prepared by method SW846 3535A													
83-32-9	Acenaphthene	< 2.13	U	µg/l	5.00	2.13	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
208-96-8	Acenaphthylene	< 2.16	U	µg/l	5.00	2.16	1	"	"	"	"	"	X
62-53-3	Aniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
120-12-7	Anthracene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 2.46	U	µg/l	5.00	2.46	1	"	"	"	"	"	
92-87-5	Benzidine	< 2.68	U	µg/l	5.00	2.68	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 2.08	U	µg/l	5.00	2.08	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 2.73	U	µg/l	5.00	2.73	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 1.98	U	µg/l	5.00	1.98	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 2.23	U	µg/l	5.00	2.23	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm - Dupe	1537.005.001	Soil	06-May-15 10:30	06-May-15
SC07186-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles													
Prepared by method SW846 3535A													
108-60-1	Bis(2-chloroisopropyl)ether	< 2.22	U	µg/l	5.00	2.22	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
86-74-8	Carbazole	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 2.43	U	µg/l	5.00	2.43	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 2.00	U	µg/l	5.00	2.00	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
218-01-9	Chrysene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 2.52	U	µg/l	5.00	2.52	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2.05	U	µg/l	5.00	2.05	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 2.28	U	µg/l	5.00	2.28	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 2.12	U	µg/l	5.00	2.12	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 2.50	U	µg/l	5.00	2.50	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 1.87	U	µg/l	5.00	1.87	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 2.79	U	µg/l	5.00	2.79	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-73-7	Fluorene	< 2.31	U	µg/l	5.00	2.31	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 1.55	U	µg/l	5.00	1.55	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
78-59-1	Isophorone	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 2.19	U	µg/l	5.00	2.19	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 2.22	U	µg/l	10.0	2.22	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 2.72	U	µg/l	5.00	2.72	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm - Dupe	1537.005.001	Soil	06-May-15 10:30	06-May-15
SC07186-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles Prepared by method SW846 3535A													
98-95-3	Nitrobenzene	< 2.12	U	µg/l	5.00	2.12	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
88-75-5	2-Nitrophenol	< 2.20	U	µg/l	5.00	2.20	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1.91	U	µg/l	5.00	1.91	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 2.58	U	µg/l	5.00	2.58	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
108-95-2	Phenol	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
129-00-0	Pyrene	< 2.42	U	µg/l	5.00	2.42	1	"	"	"	"	"	X
110-86-1	Pyridine	< 1.62	U	µg/l	5.00	1.62	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.99	U	µg/l	5.00	1.99	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 2.09	U	µg/l	5.00	2.09	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 1.97	U	µg/l	5.00	1.97	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*76*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*76*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*79*			*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*			*15-110 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.9	U	µg/kg dry	23.2	20.9	1	SW846 8082A	11-May-15	11-May-15	IMR	1509089	X
11104-28-2	Aroclor-1221	< 17.8	U	µg/kg dry	23.2	17.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.8	U	µg/kg dry	23.2	20.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.4	U	µg/kg dry	23.2	14.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.5	U	µg/kg dry	23.2	14.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 16.0	U	µg/kg dry	23.2	16.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**262**		µg/kg dry	23.2	16.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.8	U	µg/kg dry	23.2	20.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.8	U	µg/kg dry	23.2	22.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
East Berm - Dupe SC07186-02	1537.005.001	Soil	06-May-15 10:30	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
TCLP Metals by EPA 1311 & 6000/7000 Series Methods													
TCLP Extraction for Hg Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509195	X
	Final pH of leachate	**6.57**		N/A			1	"	"	"	"	"	
TCLP Extraction for Metals Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	"	"	"	"	"	X
	Final pH of leachate	**6.57**		N/A			1	"	"	"	"	"	
7440-22-4	Silver	< 0.0014	U	mg/l	0.0050	0.0014	1	SW846 1311/6010C	14-May-15	15-May-15	EDT	1509320	X
7440-38-2	Arsenic	**0.0028**	J	mg/l	0.0040	0.0026	1	"	"	15-May-15	"	1509548	X
7440-39-3	Barium	**0.418**		mg/l	0.0500	0.0004	1	"	"	15-May-15	"	1509320	X
7440-43-9	Cadmium	**0.0007**	J	mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0040**	J	mg/l	0.0050	0.0010	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00009	U	mg/l	0.00020	0.00009	1	SW846 1311/7470A	"	15-May-15	YR	1509321	X
7439-92-1	Lead	**0.0057**	J	mg/l	0.0075	0.0018	1	SW846 1311/6010C	"	15-May-15	bjw	1509548	X
7782-49-2	Selenium	**0.0057**	J	mg/l	0.0150	0.0043	1	"	"	15-May-15	"	1509320	X
General Chemistry Parameters													
	% Solids	**83.6**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509144	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	12-May-15	12-May-15	BD	1509275	X
	Free Liquid	**Absent**		N/A			1	SW846 9095B	08-May-15	08-May-15	BD	1508979	X
	Ignitability by Definition	**Negative**	IgHT	N/A			1	SW846 1030	08-May-15 17:00	08-May-15 17:30	BD	1508980	X
	pH	**8.21**	pH	pH Units			1	SW846 9045D	11-May-15 10:59	11-May-15 16:28	BD	1509150	X
Reactivity Cyanide/Sulfide Prepared by method General Preparation													
	Reactivity	**See Narrative**		mg/kg dry			1	SW846 Ch. 7.3	11-May-15	11-May-15	TN	1509189	
57-12-5	Reactive Cyanide	< 24.7	U	mg/kg dry	24.7	24.7	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 49.4	U	mg/kg dry	49.4	49.4	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm - Dupe	1537.005.001	Soil	06-May-15 10:45	06-May-15
SC07186-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	13-May-15	14-May-15	BD	1509403	X
TCLP Volatile Organic Compounds Prepared by method SW846 5030 Water MS						Initial weight: 5 ml							
71-43-2	Benzene	< 0.9	U, D	µg/l	5.0	0.9	5	SW846 1311/8260C	15-May-15	15-May-15	GMA	1509535	X
78-93-3	2-Butanone (MEK)	< 6.2	U, D	µg/l	50.0	6.2	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.1	U, D	µg/l	5.0	1.1	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0	U, D	µg/l	5.0	1.0	5	"	"	"	"	"	X
67-66-3	Chloroform	**2.6**	D, J	µg/l	5.0	2.0	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.2	U, D	µg/l	5.0	1.2	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.8	U, D	µg/l	5.0	0.8	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.4	U, D	µg/l	5.0	1.4	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.0	U, D	µg/l	2.5	2.0	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2.9	U, D	µg/l	5.0	2.9	5	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.9	U, D	µg/l	5.0	1.9	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.7	U, D	µg/l	5.0	1.7	5	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
TCLP Extraction for Semivolatiles Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509197	X
	Final pH of leachate	**6.42**		N/A			1	"	"	"	"	"	
TCLP Semivolatiles Prepared by method SW846 3535A													
83-32-9	Acenaphthene	< 2.13	U	µg/l	5.00	2.13	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
208-96-8	Acenaphthylene	< 2.16	U	µg/l	5.00	2.16	1	"	"	"	"	"	X
62-53-3	Aniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
120-12-7	Anthracene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 2.46	U	µg/l	5.00	2.46	1	"	"	"	"	"	
92-87-5	Benzidine	< 2.68	U	µg/l	5.00	2.68	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 2.08	U	µg/l	5.00	2.08	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 2.73	U	µg/l	5.00	2.73	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 1.98	U	µg/l	5.00	1.98	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 2.23	U	µg/l	5.00	2.23	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm - Dupe	1537.005.001	Soil	06-May-15 10:45	06-May-15
SC07186-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles Prepared by method SW846 3535A													
108-60-1	Bis(2-chloroisopropyl)ether	< 2.22	U	µg/l	5.00	2.22	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
86-74-8	Carbazole	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 2.43	U	µg/l	5.00	2.43	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 2.00	U	µg/l	5.00	2.00	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
218-01-9	Chrysene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 2.52	U	µg/l	5.00	2.52	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2.05	U	µg/l	5.00	2.05	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 2.28	U	µg/l	5.00	2.28	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 2.12	U	µg/l	5.00	2.12	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 2.50	U	µg/l	5.00	2.50	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 1.87	U	µg/l	5.00	1.87	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 2.79	U	µg/l	5.00	2.79	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-73-7	Fluorene	< 2.31	U	µg/l	5.00	2.31	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 1.55	U	µg/l	5.00	1.55	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
78-59-1	Isophorone	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 2.19	U	µg/l	5.00	2.19	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 2.22	U	µg/l	10.0	2.22	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 2.72	U	µg/l	5.00	2.72	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm - Dupe	1537.005.001	Soil	06-May-15 10:45	06-May-15
SC07186-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles Prepared by method SW846 3535A													
98-95-3	Nitrobenzene	< 2.12	U	µg/l	5.00	2.12	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
88-75-5	2-Nitrophenol	< 2.20	U	µg/l	5.00	2.20	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1.91	U	µg/l	5.00	1.91	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 2.58	U	µg/l	5.00	2.58	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
108-95-2	Phenol	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
129-00-0	Pyrene	< 2.42	U	µg/l	5.00	2.42	1	"	"	"	"	"	X
110-86-1	Pyridine	< 1.62	U	µg/l	5.00	1.62	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.99	U	µg/l	5.00	1.99	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 2.09	U	µg/l	5.00	2.09	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 1.97	U	µg/l	5.00	1.97	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*75*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*73*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*75*			*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*70*			*15-110 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.1	U	µg/kg dry	22.3	20.1	1	SW846 8082A	11-May-15	12-May-15	IMR	1509089	X
11104-28-2	Aroclor-1221	< 17.1	U	µg/kg dry	22.3	17.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.0	U	µg/kg dry	22.3	20.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.8	U	µg/kg dry	22.3	13.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.0	U	µg/kg dry	22.3	14.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 15.4	U	µg/kg dry	22.3	15.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	**36.4**		µg/kg dry	22.3	13.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.0	U	µg/kg dry	22.3	20.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.9	U	µg/kg dry	22.3	21.9	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm - Dupe SC07186-03	1537.005.001	Soil	06-May-15 10:45	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
TCLP Metals by EPA 1311 & 6000/7000 Series Methods													
TCLP Extraction for Hg Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509195	X
	Final pH of leachate	**6.52**		N/A			1	"	"	"	"	"	
TCLP Extraction for Metals Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	"	"	"	"	"	X
	Final pH of leachate	**6.52**		N/A			1	"	"	"	"	"	
7440-22-4	Silver	< 0.0014	U	mg/l	0.0050	0.0014	1	SW846 1311/6010C	14-May-15	15-May-15	EDT	1509320	X
7440-38-2	Arsenic	**0.0054**		mg/l	0.0040	0.0026	1	"	"	15-May-15	"	1509548	X
7440-39-3	Barium	**0.410**		mg/l	0.0500	0.0004	1	"	"	15-May-15	"	1509320	X
7440-43-9	Cadmium	**0.0012**	J	mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0044**	J	mg/l	0.0050	0.0010	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00009	U	mg/l	0.00020	0.00009	1	SW846 1311/7470A	"	15-May-15	YR	1509321	X
7439-92-1	Lead	**0.0136**		mg/l	0.0075	0.0018	1	SW846 1311/6010C	"	15-May-15	bjw	1509548	X
7782-49-2	Selenium	**0.0072**	J	mg/l	0.0150	0.0043	1	"	"	15-May-15	"	1509320	X
General Chemistry Parameters													
	% Solids	**84.5**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509144	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	12-May-15	12-May-15	BD	1509275	X
	Free Liquid	**Absent**		N/A			1	SW846 9095B	08-May-15	08-May-15	BD	1508979	X
	Ignitability by Definition	**Negative**	IgHT	N/A			1	SW846 1030	08-May-15 17:00	08-May-15 17:30	BD	1508980	X
	pH	**7.80**	pH	pH Units			1	SW846 9045D	11-May-15 10:59	11-May-15 16:29	BD	1509150	X
Reactivity Cyanide/Sulfide Prepared by method General Preparation													
	Reactivity	**See Narrative**		mg/kg dry			1	SW846 Ch. 7.3	11-May-15	11-May-15	TN	1509189	
57-12-5	Reactive Cyanide	< 25.0	U	mg/kg dry	25.0	25.0	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 50.0	U	mg/kg dry	50.0	50.0	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm SC07186-04	1537.005.001	Soil	06-May-15 10:45	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	13-May-15	14-May-15	BD	1509403	X
TCLP Volatile Organic Compounds Prepared by method SW846 5030 Water MS						Initial weight: 5 ml							
71-43-2	Benzene	< 0.9	U, D	µg/l	5.0	0.9	5	SW846 1311/8260C	15-May-15	15-May-15	GMA	1509535	X
78-93-3	2-Butanone (MEK)	< 6.2	U, D	µg/l	50.0	6.2	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.1	U, D	µg/l	5.0	1.1	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0	U, D	µg/l	5.0	1.0	5	"	"	"	"	"	X
67-66-3	Chloroform	< 2.0	U, D	µg/l	5.0	2.0	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.2	U, D	µg/l	5.0	1.2	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.8	U, D	µg/l	5.0	0.8	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.4	U, D	µg/l	5.0	1.4	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.0	U, D	µg/l	2.5	2.0	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2.9	U, D	µg/l	5.0	2.9	5	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.9	U, D	µg/l	5.0	1.9	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.7	U, D	µg/l	5.0	1.7	5	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*94*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
TCLP Extraction for Semivolatiles Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509197	X
	Final pH of leachate	**6.54**		N/A			1	"	"	"	"	"	
TCLP Semivolatiles Prepared by method SW846 3535A													
83-32-9	Acenaphthene	< 2.13	U	µg/l	5.00	2.13	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
208-96-8	Acenaphthylene	< 2.16	U	µg/l	5.00	2.16	1	"	"	"	"	"	X
62-53-3	Aniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
120-12-7	Anthracene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 2.46	U	µg/l	5.00	2.46	1	"	"	"	"	"	
92-87-5	Benzidine	< 2.68	U	µg/l	5.00	2.68	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 2.08	U	µg/l	5.00	2.08	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 2.40	U	µg/l	5.00	2.40	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 2.73	U	µg/l	5.00	2.73	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 1.98	U	µg/l	5.00	1.98	1	"	"	"	"	"	X
100-51-6	Benzyl alcohol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 2.23	U	µg/l	5.00	2.23	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm	1537.005.001	Soil	06-May-15 10:45	06-May-15
SC07186-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles Prepared by method SW846 3535A													
108-60-1	Bis(2-chloroisopropyl)ether	< 2.22	U	µg/l	5.00	2.22	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
86-74-8	Carbazole	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 2.43	U	µg/l	5.00	2.43	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 2.63	U	µg/l	5.00	2.63	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 2.00	U	µg/l	5.00	2.00	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
218-01-9	Chrysene	< 2.33	U	µg/l	5.00	2.33	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 2.52	U	µg/l	5.00	2.52	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2.05	U	µg/l	5.00	2.05	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2.02	U	µg/l	5.00	2.02	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 2.28	U	µg/l	5.00	2.28	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 2.12	U	µg/l	5.00	2.12	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 2.50	U	µg/l	5.00	2.50	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 1.87	U	µg/l	5.00	1.87	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 2.38	U	µg/l	5.00	2.38	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 2.79	U	µg/l	5.00	2.79	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-73-7	Fluorene	< 2.31	U	µg/l	5.00	2.31	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.03	U	µg/l	5.00	2.03	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 1.55	U	µg/l	5.00	1.55	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 2.30	U	µg/l	5.00	2.30	1	"	"	"	"	"	X
78-59-1	Isophorone	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 2.19	U	µg/l	5.00	2.19	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 2.14	U	µg/l	5.00	2.14	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 2.22	U	µg/l	10.0	2.22	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 2.34	U	µg/l	5.00	2.34	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 2.72	U	µg/l	5.00	2.72	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 2.62	U	µg/l	5.00	2.62	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm	1537.005.001	Soil	06-May-15 10:45	06-May-15
SC07186-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
TCLP Semivolatiles Prepared by method SW846 3535A													
98-95-3	Nitrobenzene	< 2.12	U	µg/l	5.00	2.12	1	SW846 1311/8270D	14-May-15	14-May-15	MSL	1509444	X
88-75-5	2-Nitrophenol	< 2.20	U	µg/l	5.00	2.20	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1.91	U	µg/l	5.00	1.91	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 1.84	U	µg/l	5.00	1.84	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 2.32	U	µg/l	5.00	2.32	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 2.58	U	µg/l	5.00	2.58	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 2.15	U	µg/l	5.00	2.15	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 2.26	U	µg/l	5.00	2.26	1	"	"	"	"	"	X
108-95-2	Phenol	< 2.04	U	µg/l	5.00	2.04	1	"	"	"	"	"	X
129-00-0	Pyrene	< 2.42	U	µg/l	5.00	2.42	1	"	"	"	"	"	X
110-86-1	Pyridine	< 1.62	U	µg/l	5.00	1.62	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.99	U	µg/l	5.00	1.99	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 2.09	U	µg/l	5.00	2.09	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 1.96	U	µg/l	5.00	1.96	1	"	"	"	"	"	X
82-68-8	Pentachloronitrobenzene	< 2.22	U	µg/l	5.00	2.22	1	"	"	"	"	"	X
95-94-3	1,2,4,5-Tetrachlorobenzene	< 1.97	U	µg/l	5.00	1.97	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*75*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*77*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*77*			*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*80*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*80*			*15-110 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 20.6	U	µg/kg dry	22.8	20.6	1	SW846 8082A	11-May-15	12-May-15	IMR	1509089	X
11104-28-2	Aroclor-1221	< 17.5	U	µg/kg dry	22.8	17.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 20.5	U	µg/kg dry	22.8	20.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 14.2	U	µg/kg dry	22.8	14.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 14.3	U	µg/kg dry	22.8	14.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 15.7	U	µg/kg dry	22.8	15.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	**50.0**		µg/kg dry	22.8	16.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 20.4	U	µg/kg dry	22.8	20.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.4	U	µg/kg dry	22.8	22.4	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
West Berm SC07186-04	1537.005.001	Soil	06-May-15 10:45	06-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
TCLP Metals by EPA 1311 & 6000/7000 Series Methods													
TCLP Extraction for Hg Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	SW846 1311	11-May-15	12-May-15	BD	1509195	X
	Final pH of leachate	**6.55**		N/A			1	"	"	"	"	"	
TCLP Extraction for Metals Prepared by method SW846 1311													
	TCLP Extraction	**Completed**		N/A			1	"	"	"	"	"	X
	Final pH of leachate	**6.55**		N/A			1	"	"	"	"	"	
7440-22-4	Silver	< 0.0014	U	mg/l	0.0050	0.0014	1	SW846 1311/6010C	14-May-15	15-May-15	EDT	1509320	X
7440-38-2	Arsenic	**0.0049**		mg/l	0.0040	0.0026	1	"	"	15-May-15	"	1509548	X
7440-39-3	Barium	**0.416**		mg/l	0.0500	0.0004	1	"	"	15-May-15	"	1509320	X
7440-43-9	Cadmium	**0.0012**	J	mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0036**	J	mg/l	0.0050	0.0010	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00009	U	mg/l	0.00020	0.00009	1	SW846 1311/7470A	"	15-May-15	YR	1509321	X
7439-92-1	Lead	**0.0214**		mg/l	0.0075	0.0018	1	SW846 1311/6010C	"	15-May-15	bjw	1509548	X
7782-49-2	Selenium	**0.0044**	J	mg/l	0.0150	0.0043	1	"	"	15-May-15	"	1509320	X
General Chemistry Parameters													
	% Solids	**84.5**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509144	
Toxicity Characteristics													
	Flashpoint	**>200**		°F			1	SW846 1010A	12-May-15	12-May-15	BD	1509275	X
	Free Liquid	**Absent**		N/A			1	SW846 9095B	08-May-15	08-May-15	BD	1508979	X
	Ignitability by Definition	**Negative**	IgHT	N/A			1	SW846 1030	08-May-15 17:00	08-May-15 17:30	BD	1508980	X
	pH	**7.76**	pH	pH Units			1	SW846 9045D	11-May-15 10:59	11-May-15 16:32	BD	1509150	X
Reactivity Cyanide/Sulfide Prepared by method General Preparation													
	Reactivity	**See Narrative**		mg/kg dry			1	SW846 Ch. 7.3	11-May-15	11-May-15	TN	1509189	
57-12-5	Reactive Cyanide	< 24.8	U	mg/kg dry	24.8	24.8	1	"	"	"	"	"	
18496-25-8	Reactive Sulfide	< 49.6	U	mg/kg dry	49.6	49.6	1	"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509535 - SW846 5030 Water MS										
Blank (1509535-BLK1)					Prepared & Analyzed: 15-May-15					
Benzene	< 0.2	U	µg/l	0.2						
Carbon tetrachloride	< 0.2	U	µg/l	0.2						
Chlorobenzene	< 0.2	U	µg/l	0.2						
Chloroform	< 0.4	U	µg/l	0.4						
1,4-Dichlorobenzene	< 0.2	U	µg/l	0.2						
1,2-Dichloroethane	< 0.2	U	µg/l	0.2						
1,1-Dichloroethene	< 0.3	U	µg/l	0.3						
Hexachlorobutadiene	< 0.4	U	µg/l	0.4						
Tetrachloroethene	< 0.6	U	µg/l	0.6						
Trichloroethene	< 0.4	U	µg/l	0.4						
Vinyl chloride	< 0.3	U	µg/l	0.3						
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*47.9*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.8*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Blank (1509535-BLK2)					Prepared & Analyzed: 15-May-15					
Benzene	< 0.9	U, D	µg/l	0.9						
2-Butanone (MEK)	< 6.2	U, D	µg/l	6.2						
Carbon tetrachloride	< 1.1	U, D	µg/l	1.1						
Chlorobenzene	< 1.0	U, D	µg/l	1.0						
Chloroform	**2.4**	J, D	µg/l	2.0						
1,4-Dichlorobenzene	< 1.2	U, D	µg/l	1.2						
1,2-Dichloroethane	< 0.8	U, D	µg/l	0.8						
1,1-Dichloroethene	< 1.4	U, D	µg/l	1.4						
Hexachlorobutadiene	< 2.0	U, D	µg/l	2.0						
Tetrachloroethene	< 2.9	U, D	µg/l	2.9						
Trichloroethene	< 1.9	U, D	µg/l	1.9						
Vinyl chloride	< 1.7	U, D	µg/l	1.7						
Surrogate: 4-Bromofluorobenzene	*46.8*		µg/l		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*47.3*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.6*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*48.9*		µg/l		*50.0*		*98*	*70-130*		
LCS (1509535-BS2)					Prepared & Analyzed: 15-May-15					
Benzene	**19.4**	D	µg/l		20.0		97	70-130		
2-Butanone (MEK)	**21.6**	D	µg/l		20.0		108	70-130		
Carbon tetrachloride	**23.2**	D	µg/l		20.0		116	70-130		
Chlorobenzene	**18.8**	D	µg/l		20.0		94	70-130		
Chloroform	**20.7**	D	µg/l		20.0		103	70-130		
1,4-Dichlorobenzene	**20.7**	D	µg/l		20.0		103	70-130		
1,2-Dichloroethane	**21.4**	D	µg/l		20.0		107	70-130		
1,1-Dichloroethene	**18.6**	D	µg/l		20.0		93	70-130		
Hexachlorobutadiene	**24.3**	D	µg/l		20.0		121	70-130		
Tetrachloroethene	**20.7**	D	µg/l		20.0		104	70-130		
Trichloroethene	**17.9**	D	µg/l		20.0		90	70-130		
Vinyl chloride	**17.5**	D	µg/l		20.0		87	70-130		
Surrogate: 4-Bromofluorobenzene	*49.3*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.4*		µg/l		*50.0*		*111*	*70-130*		
Surrogate: Dibromofluoromethane	*50.3*		µg/l		*50.0*		*101*	*70-130*		
LCS Dup (1509535-BSD2)					Prepared & Analyzed: 15-May-15					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509535 - SW846 5030 Water MS										
LCS Dup (1509535-BSD2)					Prepared & Analyzed: 15-May-15					
Benzene	**18.3**	D	µg/l		20.0		91	70-130	6	20
2-Butanone (MEK)	**21.5**	D	µg/l		20.0		108	70-130	0.7	20
Carbon tetrachloride	**21.9**	D	µg/l		20.0		109	70-130	6	20
Chlorobenzene	**18.3**	D	µg/l		20.0		92	70-130	2	20
Chloroform	**19.9**	D	µg/l		20.0		99	70-130	4	20
1,4-Dichlorobenzene	**20.1**	D	µg/l		20.0		100	70-130	3	20
1,2-Dichloroethane	**20.8**	D	µg/l		20.0		104	70-130	3	20
1,1-Dichloroethene	**17.7**	D	µg/l		20.0		88	70-130	5	20
Hexachlorobutadiene	**23.8**	D	µg/l		20.0		119	70-130	2	20
Tetrachloroethene	**19.4**	D	µg/l		20.0		97	70-130	6	20
Trichloroethene	**16.8**	D	µg/l		20.0		84	70-130	6	20
Vinyl chloride	**17.0**	D	µg/l		20.0		85	70-130	3	20
Surrogate: 4-Bromofluorobenzene	*48.9*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.0*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.3*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*49.4*		µg/l		*50.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509444 - SW846 3535A										
Blank (1509444-BLK1)						Prepared & Analyzed: 14-May-15				
Acenaphthene	< 2.13	U	µg/l	2.13						
Acenaphthylene	< 2.16	U	µg/l	2.16						
Aniline	< 2.34	U	µg/l	2.34						
Anthracene	< 2.33	U	µg/l	2.33						
Azobenzene/Diphenyldiazene	< 2.46	U	µg/l	2.46						
Benzidine	< 2.68	U	µg/l	2.68						
Benzo (a) anthracene	< 2.26	U	µg/l	2.26						
Benzo (a) pyrene	< 2.40	U	µg/l	2.40						
Benzo (b) fluoranthene	< 2.08	U	µg/l	2.08						
Benzo (g,h,i) perylene	< 2.40	U	µg/l	2.40						
Benzo (k) fluoranthene	< 2.73	U	µg/l	2.73						
Benzoic acid	< 1.98	U	µg/l	1.98						
Benzyl alcohol	< 2.14	U	µg/l	2.14						
Bis(2-chloroethoxy)methane	< 2.23	U	µg/l	2.23						
Bis(2-chloroethyl)ether	< 2.14	U	µg/l	2.14						
Bis(2-chloroisopropyl)ether	< 2.22	U	µg/l	2.22						
Bis(2-ethylhexyl)phthalate	< 2.34	U	µg/l	2.34						
4-Bromophenyl phenyl ether	< 2.26	U	µg/l	2.26						
Butyl benzyl phthalate	< 2.63	U	µg/l	2.63						
Carbazole	< 2.63	U	µg/l	2.63						
4-Chloro-3-methylphenol	< 2.43	U	µg/l	2.43						
4-Chloroaniline	< 2.63	U	µg/l	2.63						
2-Chloronaphthalene	< 2.00	U	µg/l	2.00						
2-Chlorophenol	< 2.03	U	µg/l	2.03						
4-Chlorophenyl phenyl ether	< 2.34	U	µg/l	2.34						
Chrysene	< 2.33	U	µg/l	2.33						
Dibenzo (a,h) anthracene	< 2.52	U	µg/l	2.52						
Dibenzofuran	< 2.15	U	µg/l	2.15						
1,2-Dichlorobenzene	< 2.05	U	µg/l	2.05						
1,3-Dichlorobenzene	< 2.02	U	µg/l	2.02						
1,4-Dichlorobenzene	< 2.02	U	µg/l	2.02						
3,3´-Dichlorobenzidine	< 2.22	U	µg/l	2.22						
2,4-Dichlorophenol	< 1.84	U	µg/l	1.84						
Diethyl phthalate	< 2.38	U	µg/l	2.38						
Dimethyl phthalate	< 2.28	U	µg/l	2.28						
2,4-Dimethylphenol	< 2.12	U	µg/l	2.12						
Di-n-butyl phthalate	< 2.62	U	µg/l	2.62						
4,6-Dinitro-2-methylphenol	< 2.50	U	µg/l	2.50						
2,4-Dinitrophenol	< 1.87	U	µg/l	1.87						
2,4-Dinitrotoluene	< 2.38	U	µg/l	2.38						
2,6-Dinitrotoluene	< 2.30	U	µg/l	2.30						
Di-n-octyl phthalate	< 2.79	U	µg/l	2.79						
Fluoranthene	< 2.32	U	µg/l	2.32						
Fluorene	< 2.31	U	µg/l	2.31						
Hexachlorobenzene	< 2.15	U	µg/l	2.15						
Hexachlorobutadiene	< 2.03	U	µg/l	2.03						
Hexachlorocyclopentadiene	< 1.55	U	µg/l	1.55						
Hexachloroethane	< 2.15	U	µg/l	2.15						
Indeno (1,2,3-cd) pyrene	< 2.30	U	µg/l	2.30						
Isophorone	< 2.62	U	µg/l	2.62						
2-Methylnaphthalene	< 2.19	U	µg/l	2.19						
2-Methylphenol	< 2.14	U	µg/l	2.14						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509444 - SW846 3535A										
Blank (1509444-BLK1)					Prepared & Analyzed: 14-May-15					
3 & 4-Methylphenol	< 2.22	U	µg/l	2.22						
Naphthalene	< 2.04	U	µg/l	2.04						
2-Nitroaniline	< 2.34	U	µg/l	2.34						
3-Nitroaniline	< 2.72	U	µg/l	2.72						
4-Nitroaniline	< 2.62	U	µg/l	2.62						
Nitrobenzene	< 2.12	U	µg/l	2.12						
2-Nitrophenol	< 2.20	U	µg/l	2.20						
4-Nitrophenol	< 1.91	U	µg/l	1.91						
N-Nitrosodimethylamine	< 1.84	U	µg/l	1.84						
N-Nitrosodi-n-propylamine	< 2.32	U	µg/l	2.32						
N-Nitrosodiphenylamine	< 2.58	U	µg/l	2.58						
Pentachlorophenol	< 2.15	U	µg/l	2.15						
Phenanthrene	< 2.26	U	µg/l	2.26						
Phenol	< 2.04	U	µg/l	2.04						
Pyrene	< 2.42	U	µg/l	2.42						
Pyridine	< 1.62	U	µg/l	1.62						
1,2,4-Trichlorobenzene	< 1.99	U	µg/l	1.99						
1-Methylnaphthalene	< 1.96	U	µg/l	1.96						
2,4,5-Trichlorophenol	< 2.09	U	µg/l	2.09						
2,4,6-Trichlorophenol	< 1.96	U	µg/l	1.96						
Pentachloronitrobenzene	< 2.22	U	µg/l	2.22						
1,2,4,5-Tetrachlorobenzene	< 1.97	U	µg/l	1.97						
Surrogate: 2-Fluorobiphenyl	*37.0*		µg/l		*52.6*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*39.1*		µg/l		*52.6*		*74*	*15-110*		
Surrogate: Nitrobenzene-d5	*38.5*		µg/l		*52.6*		*73*	*30-130*		
Surrogate: Phenol-d5	*38.4*		µg/l		*52.6*		*73*	*15-110*		
Surrogate: Terphenyl-dl4	*40.6*		µg/l		*52.6*		*77*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*36.1*		µg/l		*52.6*		*69*	*15-110*		
LCS (1509444-BS1)					Prepared & Analyzed: 14-May-15					
Acenaphthene	**39.3**		µg/l	2.13	50.0		79	40-140		
Acenaphthylene	**40.3**		µg/l	2.16	50.0		81	40-140		
Aniline	**14.6**	QC2	µg/l	2.34	50.0		29	40-140		
Anthracene	**43.0**		µg/l	2.33	50.0		86	40-140		
Azobenzene/Diphenyldiazene	**42.7**		µg/l	2.46	50.0		85	40-140		
Benzidine	**6.24**	QC2	µg/l	2.68	50.0		12	40-140		
Benzo (a) anthracene	**42.6**		µg/l	2.26	50.0		85	40-140		
Benzo (a) pyrene	**45.9**		µg/l	2.40	50.0		92	40-140		
Benzo (b) fluoranthene	**47.4**		µg/l	2.08	50.0		95	40-140		
Benzo (g,h,i) perylene	**42.1**		µg/l	2.40	50.0		84	40-140		
Benzo (k) fluoranthene	**40.0**		µg/l	2.73	50.0		80	40-140		
Benzoic acid	**49.3**		µg/l	1.98	50.0		99	30-130		
Benzyl alcohol	**27.6**		µg/l	2.14	50.0		55	40-140		
Bis(2-chloroethoxy)methane	**38.8**		µg/l	2.23	50.0		78	40-140		
Bis(2-chloroethyl)ether	**37.5**		µg/l	2.14	50.0		75	40-140		
Bis(2-chloroisopropyl)ether	**39.0**		µg/l	2.22	50.0		78	40-140		
Bis(2-ethylhexyl)phthalate	**42.5**		µg/l	2.34	50.0		85	40-140		
4-Bromophenyl phenyl ether	**44.7**		µg/l	2.26	50.0		89	40-140		
Butyl benzyl phthalate	**42.0**		µg/l	2.63	50.0		84	40-140		
Carbazole	**45.9**		µg/l	2.63	50.0		92	40-140		
4-Chloro-3-methylphenol	**45.9**		µg/l	2.43	50.0		92	30-130		
4-Chloroaniline	**17.2**	QC2	µg/l	2.63	50.0		34	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509444 - SW846 3535A										
LCS (1509444-BS1)					Prepared & Analyzed: 14-May-15					
2-Chloronaphthalene	**39.6**		µg/l	2.00	50.0		79	40-140		
2-Chlorophenol	**40.0**		µg/l	2.03	50.0		80	30-130		
4-Chlorophenyl phenyl ether	**42.5**		µg/l	2.34	50.0		85	40-140		
Chrysene	**41.2**		µg/l	2.33	50.0		82	40-140		
Dibenzo (a,h) anthracene	**44.5**		µg/l	2.52	50.0		89	40-140		
Dibenzofuran	**40.7**		µg/l	2.15	50.0		81	40-140		
1,2-Dichlorobenzene	**39.2**		µg/l	2.05	50.0		78	40-140		
1,3-Dichlorobenzene	**38.5**		µg/l	2.02	50.0		77	40-140		
1,4-Dichlorobenzene	**38.2**		µg/l	2.02	50.0		76	40-140		
3,3´-Dichlorobenzidine	**33.4**		µg/l	2.22	50.0		67	40-140		
2,4-Dichlorophenol	**43.8**		µg/l	1.84	50.0		88	30-130		
Diethyl phthalate	**41.0**		µg/l	2.38	50.0		82	40-140		
Dimethyl phthalate	**40.4**		µg/l	2.28	50.0		81	40-140		
2,4-Dimethylphenol	**43.2**		µg/l	2.12	50.0		86	30-130		
Di-n-butyl phthalate	**43.4**		µg/l	2.62	50.0		87	40-140		
4,6-Dinitro-2-methylphenol	**48.3**		µg/l	2.50	50.0		97	30-130		
2,4-Dinitrophenol	**46.8**		µg/l	1.87	50.0		94	30-130		
2,4-Dinitrotoluene	**47.1**		µg/l	2.38	50.0		94	40-140		
2,6-Dinitrotoluene	**45.7**		µg/l	2.30	50.0		91	40-140		
Di-n-octyl phthalate	**44.0**		µg/l	2.79	50.0		88	40-140		
Fluoranthene	**43.7**		µg/l	2.32	50.0		87	40-140		
Fluorene	**40.7**		µg/l	2.31	50.0		81	40-140		
Hexachlorobenzene	**46.8**		µg/l	2.15	50.0		94	40-140		
Hexachlorobutadiene	**37.6**		µg/l	2.03	50.0		75	40-140		
Hexachlorocyclopentadiene	**41.8**		µg/l	1.55	50.0		84	40-140		
Hexachloroethane	**35.8**		µg/l	2.15	50.0		72	40-140		
Indeno (1,2,3-cd) pyrene	**47.2**		µg/l	2.30	50.0		94	40-140		
Isophorone	**40.4**		µg/l	2.62	50.0		81	40-140		
2-Methylnaphthalene	**44.6**		µg/l	2.19	50.0		89	40-140		
2-Methylphenol	**41.4**		µg/l	2.14	50.0		83	30-130		
3 & 4-Methylphenol	**39.5**		µg/l	2.22	50.0		79	30-130		
Naphthalene	**39.6**		µg/l	2.04	50.0		79	40-140		
2-Nitroaniline	**47.0**		µg/l	2.34	50.0		94	40-140		
3-Nitroaniline	**25.7**		µg/l	2.72	50.0		51	40-140		
4-Nitroaniline	**44.2**		µg/l	2.62	50.0		88	40-140		
Nitrobenzene	**42.0**		µg/l	2.12	50.0		84	40-140		
2-Nitrophenol	**46.0**		µg/l	2.20	50.0		92	30-130		
4-Nitrophenol	**55.6**		µg/l	1.91	50.0		111	30-130		
N-Nitrosodimethylamine	**40.0**		µg/l	1.84	50.0		80	40-140		
N-Nitrosodi-n-propylamine	**41.3**		µg/l	2.32	50.0		83	40-140		
N-Nitrosodiphenylamine	**47.3**		µg/l	2.58	50.0		95	40-140		
Pentachlorophenol	**39.3**		µg/l	2.15	50.0		79	30-130		
Phenanthrene	**43.1**		µg/l	2.26	50.0		86	40-140		
Phenol	**37.7**		µg/l	2.04	50.0		75	30-130		
Pyrene	**41.5**		µg/l	2.42	50.0		83	40-140		
Pyridine	**32.7**		µg/l	1.62	50.0		65	40-140		
1,2,4-Trichlorobenzene	**40.2**		µg/l	1.99	50.0		80	40-140		
1-Methylnaphthalene	**39.8**		µg/l	1.96	50.0		80	40-140		
2,4,5-Trichlorophenol	**44.4**		µg/l	2.09	50.0		89	30-130		
2,4,6-Trichlorophenol	**39.4**		µg/l	1.96	50.0		79	30-130		
Pentachloronitrobenzene	**45.1**		µg/l	2.22	50.0		90	40-140		
1,2,4,5-Tetrachlorobenzene	**42.1**		µg/l	1.97	50.0		84	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509444 - SW846 3535A										
LCS (1509444-BS1)					Prepared & Analyzed: 14-May-15					
Surrogate: 2-Fluorobiphenyl	*42.0*		µg/l		*50.0*		*84*	*30-130*		
Surrogate: 2-Fluorophenol	*40.5*		µg/l		*50.0*		*81*	*15-110*		
Surrogate: Nitrobenzene-d5	*46.3*		µg/l		*50.0*		*93*	*30-130*		
Surrogate: Phenol-d5	*42.2*		µg/l		*50.0*		*84*	*15-110*		
Surrogate: Terphenyl-dl4	*45.0*		µg/l		*50.0*		*90*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*50.6*		µg/l		*50.0*		*101*	*15-110*		
LCS Dup (1509444-BSD1)					Prepared & Analyzed: 14-May-15					
Acenaphthene	**41.4**		µg/l	2.13	50.0		83	40-140	5	20
Acenaphthylene	**42.4**		µg/l	2.16	50.0		85	40-140	5	20
Aniline	**15.8**	QC2	µg/l	2.34	50.0		32	40-140	8	20
Anthracene	**44.6**		µg/l	2.33	50.0		89	40-140	4	20
Azobenzene/Diphenyldiazene	**45.1**		µg/l	2.46	50.0		90	40-140	6	20
Benzidine	**8.42**	QC2, QR5	µg/l	2.68	50.0		17	40-140	30	20
Benzo (a) anthracene	**46.2**		µg/l	2.26	50.0		92	40-140	8	20
Benzo (a) pyrene	**48.4**		µg/l	2.40	50.0		97	40-140	5	20
Benzo (b) fluoranthene	**49.5**		µg/l	2.08	50.0		99	40-140	4	20
Benzo (g,h,i) perylene	**46.1**		µg/l	2.40	50.0		92	40-140	9	20
Benzo (k) fluoranthene	**43.0**		µg/l	2.73	50.0		86	40-140	7	20
Benzoic acid	**55.2**		µg/l	1.98	50.0		110	30-130	11	20
Benzyl alcohol	**35.5**	QR2	µg/l	2.14	50.0		71	40-140	25	20
Bis(2-chloroethoxy)methane	**41.1**		µg/l	2.23	50.0		82	40-140	6	20
Bis(2-chloroethyl)ether	**40.3**		µg/l	2.14	50.0		81	40-140	7	20
Bis(2-chloroisopropyl)ether	**41.1**		µg/l	2.22	50.0		82	40-140	5	20
Bis(2-ethylhexyl)phthalate	**45.2**		µg/l	2.34	50.0		90	40-140	6	20
4-Bromophenyl phenyl ether	**47.1**		µg/l	2.26	50.0		94	40-140	5	20
Butyl benzyl phthalate	**44.3**		µg/l	2.63	50.0		89	40-140	5	20
Carbazole	**49.7**		µg/l	2.63	50.0		99	40-140	8	20
4-Chloro-3-methylphenol	**46.4**		µg/l	2.43	50.0		93	30-130	1	20
4-Chloroaniline	**15.2**	QC2	µg/l	2.63	50.0		30	40-140	12	20
2-Chloronaphthalene	**41.4**		µg/l	2.00	50.0		83	40-140	4	20
2-Chlorophenol	**43.0**		µg/l	2.03	50.0		86	30-130	7	20
4-Chlorophenyl phenyl ether	**44.9**		µg/l	2.34	50.0		90	40-140	6	20
Chrysene	**43.8**		µg/l	2.33	50.0		88	40-140	6	20
Dibenzo (a,h) anthracene	**47.2**		µg/l	2.52	50.0		94	40-140	6	20
Dibenzofuran	**43.7**		µg/l	2.15	50.0		87	40-140	7	20
1,2-Dichlorobenzene	**40.9**		µg/l	2.05	50.0		82	40-140	4	20
1,3-Dichlorobenzene	**40.8**		µg/l	2.02	50.0		82	40-140	6	20
1,4-Dichlorobenzene	**40.0**		µg/l	2.02	50.0		80	40-140	5	20
3,3´-Dichlorobenzidine	**37.9**		µg/l	2.22	50.0		76	40-140	13	20
2,4-Dichlorophenol	**46.2**		µg/l	1.84	50.0		92	30-130	5	20
Diethyl phthalate	**43.2**		µg/l	2.38	50.0		86	40-140	5	20
Dimethyl phthalate	**42.6**		µg/l	2.28	50.0		85	40-140	5	20
2,4-Dimethylphenol	**44.9**		µg/l	2.12	50.0		90	30-130	4	20
Di-n-butyl phthalate	**45.3**		µg/l	2.62	50.0		91	40-140	4	20
4,6-Dinitro-2-methylphenol	**52.9**		µg/l	2.50	50.0		106	30-130	9	20
2,4-Dinitrophenol	**53.1**		µg/l	1.87	50.0		106	30-130	13	20
2,4-Dinitrotoluene	**51.3**		µg/l	2.38	50.0		103	40-140	9	20
2,6-Dinitrotoluene	**50.2**		µg/l	2.30	50.0		100	40-140	9	20
Di-n-octyl phthalate	**45.7**		µg/l	2.79	50.0		91	40-140	4	20
Fluoranthene	**45.9**		µg/l	2.32	50.0		92	40-140	5	20
Fluorene	**43.2**		µg/l	2.31	50.0		86	40-140	6	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509444 - SW846 3535A										
LCS Dup (1509444-BSD1)					Prepared & Analyzed: 14-May-15					
Hexachlorobenzene	**49.1**		µg/l	2.15	50.0		98	40-140	5	20
Hexachlorobutadiene	**39.6**		µg/l	2.03	50.0		79	40-140	5	20
Hexachlorocyclopentadiene	**46.4**		µg/l	1.55	50.0		93	40-140	10	20
Hexachloroethane	**37.5**		µg/l	2.15	50.0		75	40-140	5	20
Indeno (1,2,3-cd) pyrene	**51.0**		µg/l	2.30	50.0		102	40-140	8	20
Isophorone	**42.9**		µg/l	2.62	50.0		86	40-140	6	20
2-Methylnaphthalene	**45.8**		µg/l	2.19	50.0		92	40-140	2	20
2-Methylphenol	**43.5**		µg/l	2.14	50.0		87	30-130	5	20
3 & 4-Methylphenol	**41.8**		µg/l	2.22	50.0		84	30-130	6	20
Naphthalene	**41.0**		µg/l	2.04	50.0		82	40-140	3	20
2-Nitroaniline	**49.6**		µg/l	2.34	50.0		99	40-140	5	20
3-Nitroaniline	**20.6**	QR2	µg/l	2.72	50.0		41	40-140	22	20
4-Nitroaniline	**48.6**		µg/l	2.62	50.0		97	40-140	10	20
Nitrobenzene	**43.9**		µg/l	2.12	50.0		88	40-140	4	20
2-Nitrophenol	**49.0**		µg/l	2.20	50.0		98	30-130	6	20
4-Nitrophenol	**62.7**		µg/l	1.91	50.0		125	30-130	12	20
N-Nitrosodimethylamine	**43.0**		µg/l	1.84	50.0		86	40-140	7	20
N-Nitrosodi-n-propylamine	**45.3**		µg/l	2.32	50.0		91	40-140	9	20
N-Nitrosodiphenylamine	**49.9**		µg/l	2.58	50.0		100	40-140	5	20
Pentachlorophenol	**46.6**		µg/l	2.15	50.0		93	30-130	17	20
Phenanthrene	**45.9**		µg/l	2.26	50.0		92	40-140	6	20
Phenol	**40.1**		µg/l	2.04	50.0		80	30-130	6	20
Pyrene	**45.1**		µg/l	2.42	50.0		90	40-140	8	20
Pyridine	**34.3**		µg/l	1.62	50.0		69	40-140	5	20
1,2,4-Trichlorobenzene	**41.7**		µg/l	1.99	50.0		83	40-140	4	20
1-Methylnaphthalene	**41.9**		µg/l	1.96	50.0		84	40-140	5	20
2,4,5-Trichlorophenol	**41.2**		µg/l	2.09	50.0		82	30-130	8	20
2,4,6-Trichlorophenol	**43.2**		µg/l	1.96	50.0		86	30-130	9	20
Pentachloronitrobenzene	**47.8**		µg/l	2.22	50.0		96	40-140	6	20
1,2,4,5-Tetrachlorobenzene	**44.1**		µg/l	1.97	50.0		88	40-140	5	20
Surrogate: 2-Fluorobiphenyl	*42.7*		µg/l		*50.0*		*85*	*30-130*		
Surrogate: 2-Fluorophenol	*41.7*		µg/l		*50.0*		*83*	*15-110*		
Surrogate: Nitrobenzene-d5	*46.9*		µg/l		*50.0*		*94*	*30-130*		
Surrogate: Phenol-d5	*43.6*		µg/l		*50.0*		*87*	*15-110*		
Surrogate: Terphenyl-dl4	*47.0*		µg/l		*50.0*		*94*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*51.6*		µg/l		*50.0*		*103*	*15-110*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509089 - SW846 3545A										
Blank (1509089-BLK1)					Prepared & Analyzed: 11-May-15					
Aroclor-1016	< 17.8	U	µg/kg wet	17.8						
Aroclor-1016 [2C]	< 10.1	U	µg/kg wet	10.1						
Aroclor-1221	< 15.1	U	µg/kg wet	15.1						
Aroclor-1221 [2C]	< 16.9	U	µg/kg wet	16.9						
Aroclor-1232	< 17.8	U	µg/kg wet	17.8						
Aroclor-1232 [2C]	< 12.9	U	µg/kg wet	12.9						
Aroclor-1242	< 12.3	U	µg/kg wet	12.3						
Aroclor-1242 [2C]	< 11.9	U	µg/kg wet	11.9						
Aroclor-1248	< 12.4	U	µg/kg wet	12.4						
Aroclor-1248 [2C]	< 11.1	U	µg/kg wet	11.1						
Aroclor-1254	< 13.6	U	µg/kg wet	13.6						
Aroclor-1254 [2C]	< 11.1	U	µg/kg wet	11.1						
Aroclor-1260	< 13.9	U	µg/kg wet	13.9						
Aroclor-1260 [2C]	< 12.4	U	µg/kg wet	12.4						
Aroclor-1262	< 17.7	U	µg/kg wet	17.7						
Aroclor-1262 [2C]	< 10.7	U	µg/kg wet	10.7						
Aroclor-1268	< 19.4	U	µg/kg wet	19.4						
Aroclor-1268 [2C]	< 19.0	U	µg/kg wet	19.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.8*		µg/kg wet		*19.8*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.8*		µg/kg wet		*19.8*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.8*		µg/kg wet		*19.8*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.8*		µg/kg wet		*19.8*		*105*	*30-150*		
LCS (1509089-BS1)					Prepared & Analyzed: 11-May-15					
Aroclor-1016	**219**		µg/kg wet	17.7	245		89	40-140		
Aroclor-1016 [2C]	**219**		µg/kg wet	9.97	245		89	40-140		
Aroclor-1260	**187**		µg/kg wet	13.7	245		76	40-140		
Aroclor-1260 [2C]	**194**		µg/kg wet	12.3	245		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*19.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*19.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.7*		µg/kg wet		*19.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.6*		µg/kg wet		*19.6*		*100*	*30-150*		
LCS Dup (1509089-BSD1)					Prepared & Analyzed: 11-May-15					
Aroclor-1016	**220**		µg/kg wet	17.7	245		90	40-140	0.9	30
Aroclor-1016 [2C]	**226**		µg/kg wet	9.96	245		92	40-140	4	30
Aroclor-1260	**186**		µg/kg wet	13.7	245		76	40-140	0.5	30
Aroclor-1260 [2C]	**201**		µg/kg wet	12.2	245		82	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*19.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.6*		µg/kg wet		*19.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.7*		µg/kg wet		*19.6*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.6*		µg/kg wet		*19.6*		*100*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509320 - SW846 3010A										
Blank (1509320-BLK1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Chromium	**0.0032**	J	mg/l	0.0010						
Silver	< 0.0014	U	mg/l	0.0014						
Cadmium	< 0.0002	U	mg/l	0.0002						
Selenium	**0.0076**	J	mg/l	0.0043						
Barium	**0.0008**	J	mg/l	0.0004						
LCS (1509320-BS1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Silver	**1.22**		mg/l	0.0014	1.25		98	85-115		
Cadmium	**1.09**		mg/l	0.0002	1.25		87	85-115		
Chromium	**1.15**		mg/l	0.0010	1.25		92	85-115		
Selenium	**1.33**		mg/l	0.0043	1.25		107	85-115		
Barium	**1.19**		mg/l	0.0004	1.25		95	85-115		
LCS Dup (1509320-BSD1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Chromium	**1.16**		mg/l	0.0010	1.25		93	85-115	1	20
Cadmium	**1.11**		mg/l	0.0002	1.25		89	85-115	2	20
Silver	**1.28**		mg/l	0.0014	1.25		102	85-115	4	104
Selenium	**1.41**		mg/l	0.0043	1.25		113	85-115	5	20
Barium	**1.22**		mg/l	0.0004	1.25		97	85-115	3	20
Batch 1509321 - EPA200/SW7000 Series										
Blank (1509321-BLK1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Mercury	< 0.00009	U	mg/l	0.00009						
LCS (1509321-BS1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Mercury	**0.00493**		mg/l	0.00009	0.00500		99	85-115		
Batch 1509548 - SW846 3010A										
Blank (1509548-BLK1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Lead	< 0.0018	U	mg/l	0.0018						
Arsenic	**0.0036**	J	mg/l	0.0026						
LCS (1509548-BS1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Lead	**1.16**		mg/l	0.0018	1.25		92	85-115		
Arsenic	**1.20**		mg/l	0.0026	1.25		96	85-115		
LCS Dup (1509548-BSD1)						Prepared: 14-May-15	Analyzed: 15-May-15			
Arsenic	**1.14**		mg/l	0.0026	1.25		91	85-115	5	20
Lead	**1.11**		mg/l	0.0018	1.25		89	85-115	4	20

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1508980 - General Preparation										
Duplicate (1508980-DUP1)			**Source: SC07186-04**			Prepared & Analyzed: 08-May-15				
Ignitability by Definition	**Negative**		N/A			Negative				35
Batch 1509150 - General Preparation										
Duplicate (1509150-DUP1)			**Source: SC07186-01**			Prepared & Analyzed: 11-May-15				
pH	**8.27**		pH Units			8.24			0.4	5
Reference (1509150-SRM1)						Prepared & Analyzed: 11-May-15				
pH	**6.04**		pH Units		6.00		101	97.5-102.5		
Reference (1509150-SRM2)						Prepared & Analyzed: 11-May-15				
pH	**6.07**		pH Units		6.00		101	97.5-102.5		
Batch 1509189 - General Preparation										
Blank (1509189-BLK1)						Prepared & Analyzed: 11-May-15				
Reactivity	**See Narrative**		mg/kg wet							
Reactive Cyanide	< 25.0	U	mg/kg wet	25.0						
Reactive Sulfide	< 50.0	U	mg/kg wet	50.0						
Duplicate (1509189-DUP1)			**Source: SC07186-01**			Prepared & Analyzed: 11-May-15				
Reactivity	**See Narrative**		mg/kg dry			ee Narrativ				200
Reactive Cyanide	< 25.0	U	mg/kg dry	25.0		BRL				35
Reactive Sulfide	< 50.0	U	mg/kg dry	50.0		BRL				35
Reference (1509189-SRM1)						Prepared & Analyzed: 11-May-15				
Reactive Cyanide	< 25.0	U	mg/kg wet	25.0	600		0	0-200		
Reference (1509189-SRM2)						Prepared & Analyzed: 11-May-15				
Reactive Sulfide	**56.1**		mg/kg wet	50.0	40200		0.1	0-200		
Batch 1509275 - General Preparation										
Reference (1509275-SRM1)						Prepared & Analyzed: 12-May-15				
Flashpoint	**80**		°F		81.0		99	95-105		

Notes and Definitions

D	Data reported from a dilution
IgHT	A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for Ignitability is not specified within the method other than to state that the samples should be analyzed as soon as possible.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
U	Analyte included in the analysis, but not detected at or above the MDL.
Z-2	Standard was rerun and passed within the method criteria
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SC07186 8y

SPECTRUM ANALYTICAL, INC.
Featuring
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: ____
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Attn Greg Lesniak, Barton and Loguidice, 11 Centre Park Suite 203, Rochester, NY 14614
Telephone #: 585-325-7190
Project Mgr: Greg Lesniak

Invoice To: B+L
P.O No.: ____ Quote/RQN: ____

Project No: 1537.005.001
Site Name: Pioneer Midler Ave.
Location: Syracuse, NY State: NY
Sampler(s): Matt J. Kadilak

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= None 12= ____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= ____ X2= ____ X3= ____

G= Grab C=Compsite

List Preservative Code below: 11 11 11 11 11 11 11

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		TCLP Metals, SVOCs, VOCs	PCBs	Ignitability	Corrosivity	Flashpoint	Reactivity	Paint Filter	Check if chlorinated
SC07186-01	East Berm	5/6/15	10:30	C	SO		3				X	X	X	X	X	X	X	☐
02	East Berm - Dupe	↓	10:30	C	SO		3				X	X	X	X	X	X	X	☐
03	West Berm - Dupe	↓	10:45	C	SO		3				X	X	X	X	X	X	X	☐
04	West Berm	↓	10:45	C	SO		3				X	X	X	X	X	X	X	☐

QA/QC Reporting Notes:
* additional charges may appply
MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: ____
State-specific reporting standards:

250 125 IR 3

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	5/6/15	1130	Observed 2.3
[signature]	Tony Gopri 330	5/7/15	7:05	Correction Factor 0
Tony Gopri 330				Corrected 2.3
	[signature]	5/7/15	1625	IR ID # C1

☐ EDD format:
☒ E-mail to: glesniak@bartonandloguidice.com
mkadilak@ "

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC07186 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed:
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Attn Greg Lesniak, Barton and Loguidice, 11 Centre Park Suite 203, Rochester, NY 14614
Telephone #: 585-325-7140
Project Mgr: Greg Lesniak

Invoice To: B+L
P.O No.:
Quote/RQN:

Project No: 1537.005.001
Site Name: Pioneer Midler Ave.
Location: Syracuse, NY
State: NY
Sampler(s): Matt J. Kadilak

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= None 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

List Preservative Code below: 11 11 11 11 11 11 11

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCLP Metals, SVOCs, VOCs	PCBs	Ignitability	Corrosivity	Flashpoint	Reactivity	Paint Filter	Check if chlorinated
SC07186-01	East Berm	5/6/15	10:30	C	SO		4			X	X	X	X	X	X	X	☐
02	East Berm - Dup	↓	10:30	C	SO		4			X	X	X	X	X	X	X	☐
03	West Berm - Dup	↓	10:45	C	SO		4			X	X	X	X	X	X	X	☐
04	West Berm	↓	10:45	C	SO		4			X	X	X	X	X	X	X	☐

QA/QC Reporting Notes:
* additional charges may appply
MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

4 Jars received per sample, client notified on 5/11

250 / 0 / 25 IR 3

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	5/6/15	1130	Observed 2.3
[signature]	Tony Copra 233	5/7/15	7:05	Correction Factor 0
Tony Copra 330				Corrected 2.3
	JLH	5/7/15	1625	IR ID # C1

☐ EDD format:
☒ E-mail to: glesniak@bartonandloguidice.com, mkadilak@ "

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

CITY OF AUBURN DEPARTMENT OF MUNICIPAL UTILITIES
PETROLEUM CONTAMINATED SOIL TESTING PROTOCOL

- **Physical Characteristics**
  Corrosivity (pH) = Greater than 2 Std. Units and Less Than 12.5 Std. Units
  Ignitability (Flashpoint) = 60°C or 140°F Maximum
  % Solids = 20% Minimum

- **TCLP Laboratory Analysis (40 CFR 261)**

Maximum Concentration of Contaminants for Toxicity Characteristic (mg/L)

Arsenic	5.0
Barium	100.0
Benzene	0.5
Cadmium	1.0
Carbon tetrachloride	0.5
Chlordane	0.03
Chlorobenzene	100.0
Chloroform	6.0
Chromium	5.0
o-Cresol	200.0
m-Cresol	200.0
p-Cresol	200.0
Cresol	200.0
2,4-D	10.0
1,4-Dichlorobenzene	7.5
1,2-Dichloroethane	0.5
1,1-Dichloroethylene	0.7
2,4-Dinitrotoluene	0.13
Endrin	0.02
Heptachlor (and its hydroxide)	0.008

Hexachlorobenzene	0.13
Hexachlorobutadiene	0.5
Hexachloroethane	3.0
Lead	5.0
Lindane	0.4
Mercury	0.2
Methoxychlor	10.0
Methyl ethyl ketone	200.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
Pyridine	5.0
Selenium	1.0
Silver	5.0
Tetrachloroethylene	0.7
Toxaphene	0.5
Trichloroethylene	0.5
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0
2,4,5-TP (Silvex)	1.0
Vinyl Chloride	0.2

- **Total PCB Analysis:**
  - PCB's should be analyzed as "total" per EPA Method 8082 or equivalent.

- **Additional Testing Protocols** (If Necessary):
  - Sampling and testing protocols may be modified or increased at any time by the City of Auburn depending on the origin or nature of the material.

May 31, 2018

Albert Giannino
Director of Leasing
Pioneer Companies
333 West Washington Street, Suite 600
Syracuse, NY, 13202

RE: Midler Crossing – Lot 7 Sampling Results
FILE: 4293/68868

Dear Al:

This letter serves to describe the observations and analytical results associated with the Lot 7 stockpile material sampling conducted by O'Brien & Gere Engineers, Inc. (OBG) on April 20, 2018 at the Midler Crossing property located off Midler Avenue in the City of Syracuse. The sampling was performed in accordance with OBG's proposal dated January 12, 2018.

SAMPLING METHODS

The Site Management Plan (SMP) for the site states that one composite and one duplicate sample will be collected for 2,000 cubic yards of stockpiled material (assuming the material does not exhibit visual evidence of contamination). Based on measurements of the stockpiled material on Lot 7, the estimated volume is 1,700 cubic yards. As discussed below, two samples, rather than one, were collected to more conservatively represent the material quality in the stockpile.

To characterize the stockpiled material for off-site disposal options, four borings were advanced through the full stockpile thickness (estimated at 6 feet thick), one in the northeast (NE), southeast (SE), southwest (SW), and northwest (NW) quadrants of the stockpile. The attached **Figure 1** presents the sample locations. OBG subcontracted Parratt-Wolff, Inc. to provide the boring services. The borings were advanced using direct-push drilling methods. The direct-push drill rig was positioned atop the stockpile. Samples were collected from the full thickness of the stockpile using 4-ft long Macro-Core® samplers. Upon retrieval, the samples were screened using a photoionization detector (PID) to evaluate the potential presence of volatile organic compounds (VOCs) and bulk VOC concentrations.

For waste characterization purposes, material was collected from the NW and SW quadrants and composited into one sample, identified as NW-SW-Berm-042018. Likewise, material was collected from the NE and SE quadrants and composited into one sample identified as NE-SE-Berm-042018. In addition, one grab sample from the east and west quadrants was also collected for the volatile organic compound (VOC) samples. One blind duplicate sample, identified as X-1-042018, was collected for quality assurance/quality control (QA/QC) purposes. The samples were analyzed by Test America for the following waste characteristics:

- Toxicity Characteristic Leaching Procedure (TCLP) VOCs

- TCLP semivolatile organic compounds (SVOCs)
- TCLP metals
- Reactivity
- Ignitability
- Corrosivity
- Paint filter

To evaluate potential on-site reuse options, two discrete samples were collected from the eastern and western halves of the stockpile and identified as E-Berm-042018 and W-Berm-042018. These samples were analyzed by Test America for the following:

- Target Compound List (TCL) VOCs
- TCL SVOCs
- Target Analyte List (TAL) metals, including mercury
- TCL polychlorinated biphenyls (PCBs)
- TCL pesticides

RESULTS

Field Observations

Based on visual observations of the samples collected from the Lot #7 soil pile, the material consists of brownish gray, damp, silt with some fine-grained sand and little gravel, brick fragments, and cinders. No visual or olfactory impacted material was observed in the samples collected. PID readings were non-detect.

Analytical Results

Waste characterization analytical data is provided on the attached **Table 1**. These data are compared to 6 NYCRR Part 371 maximum concentration of contaminants for toxicity characteristics. TCLP VOCs, TCLP SVOCs and TCLP Metals concentrations did not exceed maximum contaminant concentrations (40 CFR 261). Corrosivity, ignitability, and reactivity were also below limits that would result in the material being classified as hazardous waste.

As shown on the attached **Table 2**, to assess potential reuse, total organic and inorganic compound concentrations were compared to 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives (SCOs), Commercial SCOs, Protection of Groundwater SCOs, and NYSDEC Commissioner's Policy 51 (CP-51) Commercial SCOs. PCBs and pesticides were not detected in the samples. Comparison of the detected concentrations to the comparison criteria indicates the following:

VOCs

- Methylene chloride and tetrachloroethene were each detected in the E-Berm-042018 and W-Berm-042018 samples. Trichloroethene was detected in the duplicate sample X-2-042018. Concentrations of these detected constituents were well below the comparison criteria.

Metals

- The mercury concentration in sample E-Berm-042018 was 0.39 mg/Kg, which exceeded the Unrestricted SCO of 0.18 mg/Kg, but less than the Commercial and Protection of Groundwater SCOs of 2.8 mg/Kg and 0.73 mg/Kg, respectively.

SVOCs

- Benzo(a)pyrene was detected in the W-Berm-042018 and X-2-042018 samples at concentrations of 3,300 µg/Kg and 2,000 µg/Kg respectively, which exceeded the Part 375 Unrestricted and Commercial, and CP-51 Commercial SCOs of 1,000 µg/Kg.
- Concentrations of benzo(a)anthracene, benzo(b)fluoranthene, and chrysene were detected in the W-Berm-042018 sample and its duplicate sample X-2-042018 exceeding the Unrestricted SCO, Protection of Groundwater SCO and CP-51 Commercial SCO.
- Indeno(1,2,3-cd)pyrene was detected in the W-Berm-042018 and X-2-042018 samples at estimated concentrations of 1,900 µg/Kg and 1,200 µg/Kg respectively, which exceeded the Unrestricted SCOS and CP-51 Commercial SCO criteria of 500 µg/Kg.

DISPOSAL OPTIONS

In accordance with the SMP, the Lot 7 stockpile material could be re-used as backfill on-site since observations made during the stockpile sampling did not indicate visual or olfactory evidence of contamination. However, this material must be placed beneath a cover system component as described in the SMP. If the Lot #7 stockpile is to be disposed of off-site, this material must be transported and disposed to a facility permitted to accept non-hazardous waste in accordance with local, state, and federal regulations.

Thank you for the opportunity to provide Pioneer Companies with assistance with the Midler Avenue Project. Please don't hesitate to contact me with any questions you may have.

Very truly yours,
O'BRIEN & GERE ENGINEERS

Steve Mooney
Project Manager

Attachments

cc: Dave Carnevale – OBG

I:\Pioneer-Dev.4293\68868\Docs\Reports\Lot 7 Sampling Letter.docx

FIGURE 1

5/31/2018 9:32:32 AM

PIONEER COMPANIES
MIDLER CROSSING
SYRACUSE, NEW YORK

LOT 7 MATERIAL PILE
BORING LOCATIONS

N

4293/68868
MAY 2018

APPROXIMATELY 40 FEET

O'BRIEN & GERE ENGINEERS, INC.

I:\Pioneer-Dev.4293\68868\Docs\DWG\MXD\Lot_7.mxd

Table 1: Hazardous Characteristics

	CAS #	Units	TCLP Limits 40 CFR Part 261	NE-SE-BERM-042018	NW-SW-BERM-042018	X-1-042018*
TCLP Volatile Organic Compounds						
Trichloroethene	79-01-6	mg/L	0.5	<0.010	<0.010	<0.010
1,2-Dichloroethane	107-06-2	mg/L	0.5	<0.010	<0.010	<0.010
1,1-Dichloroethene	75-35-4	mg/L	0.7	<0.010	<0.010	<0.010
Vinyl chloride	75-01-4	mg/L	0.2	<0.010	<0.010	<0.010
Benzene	71-43-2	mg/L	0.5	<0.010	<0.010	<0.010
2-Butanone (MEK)	78-93-3	mg/L	200	<0.050	<0.050	<0.050
Chlorobenzene	108-90-7	mg/L	100	<0.010	<0.010	<0.010
Carbon tetrachloride	56-23-5	mg/L	0.5	<0.010	<0.010	<0.010
Chloroform	67-66-3	mg/L	6	<0.010	<0.010	<0.010
Tetrachloroethene	127-18-4	mg/L	0.7	<0.010	0.0057 J	0.0071 J
TCLP Semivolatile Organic Compounds						
2-Methylphenol	95-48-7	mg/L	200	<0.0050	<0.0050	<0.0050
4-Methylphenol	106-44-5	mg/L	200	<0.010	<0.010	<0.010
Pyridine	110-86-1	mg/L	5	<0.025	<0.025	<0.025
Hexachlorobenzene	118-74-1	mg/L	0.13	<0.0050	<0.0050	<0.0050
3-Methylphenol	108-39-4	mg/L	200	<0.010	<0.010	<0.010
2,4-Dinitrotoluene	121-14-2	mg/L	0.13	<0.0050	<0.0050	<0.0050
2,4,6-Trichlorophenol	88-06-2	mg/L	2	<0.0050	<0.0050	<0.0050
Hexachlorobutadiene	87-68-3	mg/L	0.5	<0.0050	<0.0050	<0.0050
1,4-Dichlorobenzene	106-46-7	mg/L	7.5	<0.010	<0.010	<0.010
Pentachlorophenol	87-86-5	mg/L	100	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	95-95-4	mg/L	400	<0.0050	<0.0050	<0.0050
Nitrobenzene	98-95-3	mg/L	2	<0.0050	<0.0050	<0.0050
Hexachloroethane	67-72-1	mg/L	3	<0.0050	<0.0050	<0.0050
TCLP Metals						
Lead	7439-92-1	mg/L	5	0.037	<0.020	<0.020
Arsenic	7440-38-2	mg/L	5	<0.015	<0.015	<0.015
Chromium	7440-47-3	mg/L	5	<0.020	<0.020	<0.020
Cadmium	7440-43-9	mg/L	1	0.0035	0.0022	0.0022
Barium	7440-39-3	mg/L	100	0.46 J	0.40 J	0.35 J
Selenium	7782-49-2	mg/L	1	<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	5	<0.0060	<0.0060	<0.0060
Mercury	7439-97-6	mg/L	0.2	<0.00020	<0.00020	<0.00020
General Chemistry						
Free Liquid	NA	mL/100g	NA	Passed	Passed	Passed
Cyanide, Reactive	NA	mg/Kg	NA	<9.9	<9.9	<9.9
Sulfide, Reactive	NA	mg/Kg	NA	<9.9	<9.9	<9.9
Flashpoint	NA	Degrees F	<140	>180	>180	>180
pH	NA	SU	≤2 or ≥12.5	10.5 HF	8.7 HF	9.1 HF
Temperature	NA	Degrees C	NA	25.5 HF	19.8 HF	20.1 HF

Notes:
J - Result is less than the RL but greater than or equal to the MDL and the concentration is approximate
HF - Analyzed outside of holding time.
* Parent sample is NW-SW-BERM-042018

Table 2: Organic and Inorganic Compounds

	CAS #	Units	Part 375-6.8 Unrestricted Use SCO	Part 375-6.8 Commercial SCO	Part 375-6.8 Protection of GW	CP-51 Commercial SCO	E-BERM-042018	W-BERM-042018	X-2-042018*
TCL Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	ug/Kg	680	500,000	680	NC	<5.4	<5.7	<5.6
1,1,2,2-Tetrachloroethane	79-34-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,1,2-Trichloroethane	79-00-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,1-Dichloroethane	75-34-3	ug/Kg	270	240,000	270	NC	<5.4	<5.7	<5.6
1,1-Dichloroethene	75-35-4	ug/Kg	330	500,000	330	NC	<5.4	<5.7	<5.6
1,2,4-Trichlorobenzene	120-82-1	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,2-Dibromo-3-Chloropropane	96-12-8	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,2-Dibromoethane	106-93-4	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,2-Dichlorobenzene	95-50-1	ug/Kg	1,100	500,000	1,100	NC	<5.4	<5.7	<5.6
1,2-Dichloroethane	107-06-2	ug/Kg	20	30,000	20	NC	<5.4	<5.7	<5.6
1,2-Dichloropropane	78-87-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
1,3-Dichlorobenzene	541-73-1	ug/Kg	2,400	280,000	2,400	NC	<5.4	<5.7	<5.6
1,4-Dichlorobenzene	106-46-7	ug/Kg	1,800	130,000	1,800	NC	<5.4	<5.7	<5.6
2-Butanone (MEK)	78-93-3	ug/Kg	120	500,000	120	NC	<27	<29	<28
2-Hexanone	591-78-6	ug/Kg	NC	NC	NC	NC	<27	<29	<28
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/Kg	NC	NC	NC	NC	<27	<29	<28
Acetone	67-64-1	ug/Kg	50	500,000	50	NC	<27	<29	<28
Benzene	71-43-2	ug/Kg	60	44,000	60	60	<5.4	<5.7	<5.6
Bromodichloromethane	75-27-4	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Bromoform	75-25-2	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Bromomethane	74-83-9	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Carbon disulfide	75-15-0	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Carbon tetrachloride	56-23-5	ug/Kg	760	22,000	760	NC	<5.4	<5.7	<5.6
Chlorobenzene	108-90-7	ug/Kg	1,100	500,000	1,100	NC	<5.4	<5.7	<5.6
Chloroethane	75-00-3	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Chloroform	67-66-3	ug/Kg	370	350,000	370	NC	<5.4	<5.7	<5.6
Chloromethane	74-87-3	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
cis-1,2-Dichloroethene	156-59-2	ug/Kg	250	500,000	250	NC	<5.4	<5.7	<5.6
cis-1,3-Dichloropropene	10061-01-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Cyclohexane	110-82-7	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Dibromochloromethane	124-48-1	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Dichlorodifluoromethane	75-71-8	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Ethylbenzene	100-41-4	ug/Kg	1,000	390,000	1,000	1,000	<5.4	<5.7	<5.6
Isopropylbenzene	98-82-8	ug/Kg	NC	NC	NC	2,300	<5.4	<5.7	<5.6
Methyl acetate	79-20-9	ug/Kg	NC	NC	NC	NC	<27	<29	<28
Methyl tert-butyl ether	1634-04-4	ug/Kg	930	500,000	930	930	<5.4	<5.7	<5.6
Methylcyclohexane	108-87-2	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Methylene Chloride	75-09-2	ug/Kg	50	500,000	50	NC	5.2 J	**7.4**	**6.5**
Styrene	100-42-5	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Tetrachloroethene	127-18-4	ug/Kg	1,300	150,000	1,300	NC	<5.4	**2.3 J**	**7.4**
Toluene	108-88-3	ug/Kg	700	500,000	700	700	<5.4	<5.7	<5.6
trans-1,2-Dichloroethene	156-60-5	ug/Kg	190	500,000	190	NC	<5.4	<5.7	<5.6
trans-1,3-Dichloropropene	10061-02-6	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Trichloroethene	79-01-6	ug/Kg	470	200,000	470	NC	<5.4	<5.7	**1.5**
Trichlorofluoromethane	75-69-4	ug/Kg	NC	NC	NC	NC	<5.4	<5.7	<5.6
Vinyl chloride	75-01-4	ug/Kg	20	13,000	20	NC	<5.4	<5.7	<5.6
Xylenes, Total	1330-20-7	ug/Kg	260	500,000	1,600	260	<11	<11	<11

Table 2: Organic and Inorganic Compounds

	CAS #	Units	Part 375-6.8 Unrestricted Use SCO	Part 375-6.8 Commercial SCO	Part 375-6.8 Protection of GW	CP-51 Commercial SCO	E-BERM-042018	W-BERM-042018	X-2-042018*
TCL Semivolatile Organic Compounds									
2,4,5-Trichlorophenol	95-95-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4,6-Trichlorophenol	88-06-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4-Dichlorophenol	120-83-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4-Dimethylphenol	105-67-9	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,4-Dinitrophenol	51-28-5	ug/Kg	NC	NC	NC	NC	<38000	<19000	<19000
2,4-Dinitrotoluene	121-14-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2,6-Dinitrotoluene	606-20-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Chloronaphthalene	91-58-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Chlorophenol	95-57-8	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Methylnaphthalene	91-57-6	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
2-Methylphenol	95-48-7	ug/Kg	330	500,000	330	NC	<3800	<2000	<2000
2-Nitroaniline	88-74-4	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
2-Nitrophenol	88-75-5	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
3,3'-Dichlorobenzidine	91-94-1	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
3-Nitroaniline	99-09-2	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
4-Bromophenyl phenyl ether	101-55-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Chloro-3-methylphenol	59-50-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Chloroaniline	106-47-8	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
4-Methylphenol	106-44-5	ug/Kg	330	500,000	330	NC	<7500	<3800	<3900
4-Nitroaniline	100-01-6	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
4-Nitrophenol	100-02-7	ug/Kg	NC	NC	NC	NC	<7500	<3800	<3900
Acenaphthene	83-32-9	ug/Kg	20,000	500,000	98,000	20,000	<3800	540 J	<2000
Acenaphthylene	208-96-8	ug/Kg	100,000	500,000	107,000	100,000	<3800	300 J	<2000
Acetophenone	98-86-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Anthracene	120-12-7	ug/Kg	100,000	500,000	1,000,000	100,000	<3800	1,300 J	600 J
Atrazine	1912-24-9	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Benzaldehyde	100-52-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Benzo[a]anthracene	56-55-3	ug/Kg	1,000	5,600	1,000	1,000	**560 J**	**3800**[1,3,4]	**2000**[1,3,4]
Benzo[a]pyrene	50-32-8	ug/Kg	1,000	1,000	22,000	1,000	**800 J**	**3300**[1,3,4]	**2000**[1,3,4]
Benzo[b]fluoranthene	205-99-2	ug/Kg	1,000	5,600	1,700	1,000	**1,100 J**	**4300**[1,3,4]	**2400**[1,3,4]
Benzo[g,h,i]perylene	191-24-2	ug/Kg	100,000	500,000	1,000,000	100,000	**490 J**	**1,800 J**	**1,200 J**
Benzo[k]fluoranthene	207-08-9	ug/Kg	800	56,000	1,700	800	<3800	**1,600 J**	**1,400 J**
Biphenyl	92-52-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
bis (2-chloroisopropyl) ether	108-60-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Bis(2-chloroethyl)ether	111-44-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Bis(2-ethylhexyl) phthalate	117-81-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Butyl benzyl phthalate	85-68-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Caprolactam	105-60-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Carbazole	86-74-8	ug/Kg	NC	NC	NC	NC	<3800	**600 J**	**230 J**
Chrysene	218-01-9	ug/Kg	1,000	56,000	1,000	1,000	<3800	**3500**[1,3,4]	**2200**[1,3,4]
Dibenz(a,h)anthracene	53-70-3	ug/Kg	330	560	1,000,000	330	<3800	<2000	<2000
Dibenzofuran	132-64-9	ug/Kg	NC	NC	NC	NC	<3800	**400 J**	<2000
Diethyl phthalate	84-66-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Dimethyl phthalate	131-11-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Di-n-butyl phthalate	84-74-2	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Di-n-octyl phthalate	117-84-0	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Fluoranthene	206-44-0	ug/Kg	100,000	500,000	1,000,000	100,000	**1,400 J**	**7,700**	**4,200**
Fluorene	86-73-7	ug/Kg	30,000	500,000	386,000	30,000	<3800	**700 J**	<2000
Hexachlorobenzene	118-74-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Hexachlorobutadiene	87-68-3	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Hexachlorocyclopentadiene	77-47-4	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Hexachloroethane	67-72-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Indeno[1,2,3-cd]pyrene	193-39-5	ug/Kg	500	5,600	8,200	500	<3800	**1,900 J**[1,4]	**1,200 J**[1,4]
Isophorone	78-59-1	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Naphthalene	91-20-3	ug/Kg	12,000	500,000	12,000	12,000	<3800	**740 J**	<2000
Nitrobenzene	98-95-3	ug/Kg	NC	NC	NC	69000	<3800	<2000	<2000
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
N-Nitrosodiphenylamine	86-30-6	ug/Kg	NC	NC	NC	NC	<3800	<2000	<2000
Pentachlorophenol	87-86-5	ug/Kg	800	6,700	800	NC	<7500	<3800	<3900
Phenanthrene	85-01-8	ug/Kg	100,000	500,000	1,000,000	100,000	<3800	**5,500**	**2,200**
Phenol	108-95-2	ug/Kg	330	500,000	330	NC	<3800	<2000	<2000
Pyrene	129-00-0	ug/Kg	100,000	500,000	1,000,000	100,000	**990 J**	**6,300**	**3,600**

Table 2: Organic and Inorganic Compounds

	CAS #	Units	Part 375-6.8 Unrestricted Use SCO	Part 375-6.8 Commercial SCO	Part 375-6.8 Protection of GW	CP-51 Commercial SCO	E-BERM-042018	W-BERM-042018	X-2-042018*
TAL Metals									
Aluminum	7429-90-5	mg/Kg	NC	NC	NC	NC	**8,520**	**6720**	**6,760**
Antimony	7440-36-0	mg/Kg	NC	NC	NC	NC	<16.6	<18.1	<17.4
Arsenic	7440-38-2	mg/Kg	13	16	16	NC	**4.9**	**5.1**	**5.0**
Barium	7440-39-3	mg/Kg	350	400	820	NC	**54.2**	**80.7**	**72.9**
Beryllium	7440-41-7	mg/Kg	7.2	590	47	NC	**0.39**	**0.33**	**0.34**
Cadmium	7440-43-9	mg/Kg	2.5	9.3	7.5	NC	**0.14 J**	**0.29**	**0.29**
Calcium	7440-70-2	mg/Kg	NC	NC	NC	NC	**128,000 B**	**98,100 B**	**128,000 B**
Chromium	7440-47-3	mg/Kg	30	1,500	NC	NC	**18 B**	**14.9 B**	**13.2 B**
Cobalt	7440-48-4	mg/Kg	NC	NC	NC	NC	**4.9**	**4.8**	**3.7**
Copper	7440-50-8	mg/Kg	50	270	1,720	NC	**60.7**	**37.4**	**42.6**
Iron	7439-89-6	mg/Kg	NC	NC	NC	NC	**15,700 B**	**17,300 B**	**16,200 B**
Lead	7439-92-1	mg/Kg	63	1,000	450	NC	**85.7**	**38.7**	**38.7**
Magnesium	7439-95-4	mg/Kg	NC	NC	NC	NC	**14,900**	**13,500**	**7,790**
Manganese	7439-96-5	mg/Kg	1,600	10,000	2,000	NC	**369**	**287**	**323**
Mercury	7439-97-6	mg/Kg	0.18	2.8	0.73	NC	**0.39** [1]	**0.056**	**0.062**
Nickel	7440-02-0	mg/Kg	30	310	130	NC	**14.6**	**13.5**	**14.1**
Potassium	7440-09-7	mg/Kg	NC	NC	NC	NC	**3,160**	**1,630**	**1,900**
Selenium	7782-49-2	mg/Kg	3.9	1,500	4	NC	<4.4	<4.8	<4.6
Silver	7440-22-4	mg/Kg	2	1,500	8.3	NC	<0.66	<0.73	<0.70
Sodium	7440-23-5	mg/Kg	NC	NC	NC	NC	**189**	**190**	**196**
Thallium	7440-28-0	mg/Kg	NC	NC	NC	NC	<6.6	<7.3	<7.0
Vanadium	7440-62-2	mg/Kg	NC	NC	NC	NC	**34.1**	**22.0**	**21.8**
Zinc	7440-66-6	mg/Kg	109	10,000	2,480	NC	**56.5**	**102**	**99.9**
TCL Organochlorine Pesticides									
4,4'-DDD	72-54-8	ug/Kg	3.3	92,000	14,000	NC	<93	<98	<96
4,4'-DDE	72-55-9	ug/Kg	3.3	62,000	17,000	NC	<93	<98	<96
4,4'-DDT	50-29-3	ug/Kg	3.3	47,000	136,000	NC	<93	<98	<96
Aldrin	309-00-2	ug/Kg	5	680	190	NC	<93	<98	<96
alpha-BHC	319-84-6	ug/Kg	20	3,400	20	NC	<93	<98	<96
beta-BHC	319-85-7	ug/Kg	36	3,000	90	NC	<93	<98	<96
cis-Chlordane	5103-71-9	ug/Kg	94	24,000	2,900	NC	<93	<98	<96
delta-BHC	319-86-8	ug/Kg	40	500,000	250	NC	<93	<98	<96
Dieldrin	60-57-1	ug/Kg	5	1,400	100	NC	<93	<98	<96
Endosulfan I	959-98-8	ug/Kg	2,400	200,000	102,000	NC	<93	<98	<96
Endosulfan II	33213-65-9	ug/Kg	2,400	200,000	102,000	NC	<93	<98	<96
Endosulfan sulfate	1031-07-8	ug/Kg	2,400	200,000	1,000,000	NC	<93	<98	<96
Endrin	72-20-8	ug/Kg	14	89,000	60	NC	<93	<98	<96
Endrin aldehyde	7421-93-4	ug/Kg	NC	NC	NC	NC	<93	<98	<96
Endrin ketone	53494-70-5	ug/Kg	NC	NC	NC	NC	<93	<98	<96
gamma-BHC (Lindane)	58-89-9	ug/Kg	100	9,200	100	NC	<93	<98	<96
Heptachlor	76-44-8	ug/Kg	42	15,000	380	NC	<93	<98	<96
Heptachlor epoxide	1024-57-3	ug/Kg	NC	NC	NC	NC	<93	<98	<96
Methoxychlor	72-43-5	ug/Kg	NC	NC	NC	NC	<93	<98	<96
Toxaphene	8001-35-2	ug/Kg	NC	NC	NC	NC	<930	<980	<960
trans-Chlordane	5103-74-2	ug/Kg	NC	NC	NC	NC	<93	<98	<96
PCBs									
Aroclor-1016	12674-11-2	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1221	11104-28-2	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1232	11141-16-5	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1242	53469-21-9	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1248	12672-29-6	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1254	11097-69-1	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1260	11096-82-5	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1262	37324-23-5	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21
Aroclor-1268	11100-14-4	mg/Kg	0.1	1000	3,200	NC	<0.28	<0.25	<0.21

Notes:
NC - No Criteria
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
B - Compound was found in blank and sample
Bold value indicates detected concentration
Shaded cell indicates detected constituent concentration exceeds criteria
* Parent sample is W-Berm-042018
[1] Concentration exceeds Part 375 Unresticted SCO
[2] Concentration exceeds Part 375 Commercial SCO
[3] Concentration exceeds Part 375 Protection of Groundwater
[4] Concentration exceeds CP-51 Soil Cleanup Guidance

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-134628-1
Client Project/Site: Midler Crossing - Characteristic Soil

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
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Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-134628-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-134628-1

Receipt
The samples were received on 4/21/2018 1:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-410294 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: E-BERM-042018 (480-134628-8), W-BERM-042018 (480-134628-10) and X-2-042018 (480-134628-12).

Method(s) 8260C: The following samples were diluted due to the nature of the TCLP matrix: NE-SE BERM-042018 (480-134628-7), NW-SW-BERM-042018 (480-134628-9), X-1-042018 (480-134628-11) and LB 480-411593/3-A. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: E-BERM-042018 (480-134628-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The continuing calibration verification (CCV) associated with batch 480-411578 recovered above the upper control limit for PCB-1232, PCB-1242, PCB-1262 and PCB-1268. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The Low Level Continuing Calibration Verifications, (CCVL 480-410722/17 and CCV 480-410722/29) associated with batch 480-410722, contained Total Manganese above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6) was not performed.

Method(s) 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: E-BERM-042018 (480-134628-2). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: X-2-042018 (480-134628-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 480-134628-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

General Chemistry

Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: NW-SW-BERM-042018 (480-134628-3) and X-1-042018 (480-134628-5).

Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: NE-SE BERM-042018 (480-134628-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: E-BERM-042018 (480-134628-2), W-BERM-042018 (480-134628-4) and X-2-042018 (480-134628-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NE-SE BERM-042018 — Lab Sample ID: 480-134628-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Free Liquid	passed				mL/100g	1		9095B	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.46	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0035		0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.037		0.020	0.0030	mg/L	1		6010C	TCLP

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	10.5	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	25.5	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: E-BERM-042018 — Lab Sample ID: 480-134628-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	560	J	3800	380	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	800	J	3800	560	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	1100	J	3800	610	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	490	J	3800	410	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	1400	J	3800	410	ug/Kg	20	☼	8270D	Total/NA
Pyrene	990	J	3800	450	ug/Kg	20	☼	8270D	Total/NA
Aluminum	8520		11.0	4.9	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.9		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	54.2		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.39		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.14	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Calcium	128000	B	276	18.2	mg/Kg	5	☼	6010C	Total/NA
Chromium	18.0	B	0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.9		0.55	0.055	mg/Kg	1	☼	6010C	Total/NA
Copper	60.7		5.5	1.2	mg/Kg	5	☼	6010C	Total/NA
Iron	15700	B	11.0	3.9	mg/Kg	1	☼	6010C	Total/NA
Lead	85.7		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Magnesium	14900		22.1	1.0	mg/Kg	1	☼	6010C	Total/NA
Manganese	369	^	1.1	0.18	mg/Kg	5	☼	6010C	Total/NA
Nickel	14.6		5.5	0.25	mg/Kg	1	☼	6010C	Total/NA
Potassium	3160		33.1	22.1	mg/Kg	1	☼	6010C	Total/NA
Sodium	189		154	14.3	mg/Kg	1	☼	6010C	Total/NA
Vanadium	34.1		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	56.5		2.2	0.71	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.36		0.021	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: NW-SW-BERM-042018 — Lab Sample ID: 480-134628-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Free Liquid	passed				mL/100g	1		9095B	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.40	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0022		0.0020	0.00050	mg/L	1		6010C	TCLP

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.7	HF	0.1	0.1	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NW-SW-BERM-042018 (Continued) — Lab Sample ID: 480-134628-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Temperature	19.8	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: W-BERM-042018 — Lab Sample ID: 480-134628-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	540	J	2000	290	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	300	J	2000	260	ug/Kg	10	☼	8270D	Total/NA
Anthracene	1300	J	2000	490	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	3800		2000	200	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	3300		2000	290	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	4300		2000	310	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1800	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	1600	J	2000	260	ug/Kg	10	☼	8270D	Total/NA
Carbazole	600	J	2000	230	ug/Kg	10	☼	8270D	Total/NA
Chrysene	3500		2000	440	ug/Kg	10	☼	8270D	Total/NA
Dibenzofuran	400	J	2000	230	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	7700		2000	210	ug/Kg	10	☼	8270D	Total/NA
Fluorene	700	J	2000	230	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1900	J	2000	240	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	740	J	2000	260	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	5500		2000	290	ug/Kg	10	☼	8270D	Total/NA
Pyrene	6300		2000	230	ug/Kg	10	☼	8270D	Total/NA
Aluminum	6720		12.1	5.3	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.1		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	80.7		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.33		0.24	0.034	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.29		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Calcium	98100	B	60.5	4.0	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.9	B	0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.8		0.60	0.060	mg/Kg	1	☼	6010C	Total/NA
Copper	37.4		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	17300	B	12.1	4.2	mg/Kg	1	☼	6010C	Total/NA
Lead	38.7		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Magnesium	13500		24.2	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	287	^	0.24	0.039	mg/Kg	1	☼	6010C	Total/NA
Nickel	13.5		6.0	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	1630		36.3	24.2	mg/Kg	1	☼	6010C	Total/NA
Sodium	190		169	15.7	mg/Kg	1	☼	6010C	Total/NA
Vanadium	22.0		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	102		2.4	0.77	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.056		0.024	0.0095	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: X-1-042018 — Lab Sample ID: 480-134628-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Free Liquid	passed				mL/100g	1		9095B	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.35	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0022		0.0020	0.00050	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample ID: X-1-042018 (Continued) — Lab Sample ID: 480-134628-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	9.1	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	20.1	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: X-2-042018 — Lab Sample ID: 480-134628-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	600	J	2000	490	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	2000		2000	200	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	2000		2000	290	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	2400		2000	320	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1200	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	1400	J	2000	260	ug/Kg	10	☼	8270D	Total/NA
Carbazole	230	J	2000	230	ug/Kg	10	☼	8270D	Total/NA
Chrysene	2200		2000	440	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	4200		2000	210	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200	J	2000	250	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	2200		2000	290	ug/Kg	10	☼	8270D	Total/NA
Pyrene	3600		2000	230	ug/Kg	10	☼	8270D	Total/NA
Aluminum	6760		11.6	5.1	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.0		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	72.9		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.34		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.29		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	128000	B	290	19.1	mg/Kg	5	☼	6010C	Total/NA
Chromium	13.2	B	0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.7		0.58	0.058	mg/Kg	1	☼	6010C	Total/NA
Copper	42.6		5.8	1.2	mg/Kg	5	☼	6010C	Total/NA
Iron	16200	B	11.6	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	38.7		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	7790		23.2	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	323	^	0.23	0.037	mg/Kg	1	☼	6010C	Total/NA
Nickel	14.1		5.8	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	1900		34.8	23.2	mg/Kg	1	☼	6010C	Total/NA
Sodium	196		162	15.1	mg/Kg	1	☼	6010C	Total/NA
Vanadium	21.8		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	99.9		2.3	0.74	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.062		0.023	0.0095	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: NE-SE BERM-042018 — Lab Sample ID: 480-134628-7

No Detections.

Client Sample ID: E-BERM-042018 — Lab Sample ID: 480-134628-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.2	J vs	5.4	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: NW-SW-BERM-042018 — Lab Sample ID: 480-134628-9

This Detection Summary does not include radiochemical test results.

Client Sample ID: NW-SW-BERM-042018 (Continued) — Lab Sample ID: 480-134628-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.0057	J	0.010	0.0036	mg/L	10		8260C	TCLP

Client Sample ID: W-BERM-042018 — Lab Sample ID: 480-134628-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	7.4	vs	5.7	2.6	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2.3	J vs	5.7	0.77	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: X-1-042018 — Lab Sample ID: 480-134628-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.0071	J	0.010	0.0036	mg/L	10		8260C	TCLP

Client Sample ID: X-2-042018 — Lab Sample ID: 480-134628-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.5	vs	5.6	2.6	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	7.4	vs	5.6	0.75	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1.5	J vs F1	5.6	1.2	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: NE-SE BERM-042018
Date Collected: 04/20/18 09:30
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-1
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 20:51	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 20:51	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 20:51	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 20:51	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 20:51	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 20:51	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 20:51	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 20:51	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 20:51	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 20:51	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 20:51	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 20:51	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*41 - 120*	*05/02/18 14:55*	*05/03/18 20:51*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*05/02/18 14:55*	*05/03/18 20:51*	*1*
2-Fluorophenol	*45*		*35 - 120*	*05/02/18 14:55*	*05/03/18 20:51*	*1*
Nitrobenzene-d5	*77*		*46 - 120*	*05/02/18 14:55*	*05/03/18 20:51*	*1*
p-Terphenyl-d14	*104*		*59 - 136*	*05/02/18 14:55*	*05/03/18 20:51*	*1*
Phenol-d5	*30*		*22 - 120*	*05/02/18 14:55*	*05/03/18 20:51*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 22:39	1
Barium	**0.46**	**J**	1.0	0.10	mg/L		05/01/18 10:12	05/01/18 22:39	1
Cadmium	**0.0035**		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 22:39	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 22:39	1
Lead	**0.037**		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 22:39	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 22:39	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 22:39	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:14	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	**passed**				mL/100g			04/25/18 15:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 16:38	1
Sulfide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 15:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>180**		50.0	50.0	Degrees F			05/01/18 09:30	1
pH	**10.5**	**HF**	0.1	0.1	SU			04/25/18 17:57	1
Temperature	**25.5**	**HF**	0.001	0.001	Degrees C			04/25/18 17:57	1

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: E-BERM-042018
Date Collected: 04/20/18 10:15
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-2
Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
bis (2-chloroisopropyl) ether	ND		3800	770	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4,5-Trichlorophenol	ND		3800	1000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4,6-Trichlorophenol	ND		3800	770	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dichlorophenol	ND		3800	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dimethylphenol	ND		3800	930	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dinitrophenol	ND		38000	18000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,4-Dinitrotoluene	ND		3800	790	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2,6-Dinitrotoluene	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Chloronaphthalene	ND		3800	630	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Chlorophenol	ND		3800	700	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Methylnaphthalene	ND		3800	770	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Methylphenol	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Nitroaniline	ND		7500	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
2-Nitrophenol	ND		3800	1100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
3,3'-Dichlorobenzidine	ND		7500	4500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
3-Nitroaniline	ND		7500	1100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4,6-Dinitro-2-methylphenol	ND		7500	3800	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Bromophenyl phenyl ether	ND		3800	540	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Chloro-3-methylphenol	ND		3800	950	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Chloroaniline	ND		3800	950	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Chlorophenyl phenyl ether	ND		3800	470	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Methylphenol	ND		7500	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Nitroaniline	ND		7500	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
4-Nitrophenol	ND		7500	2700	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Acenaphthene	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Acenaphthylene	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Acetophenone	ND		3800	520	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Anthracene	ND		3800	950	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Atrazine	ND		3800	1300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzaldehyde	ND		3800	3100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[a]anthracene	**560**	**J**	3800	380	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[a]pyrene	**800**	**J**	3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[b]fluoranthene	**1100**	**J**	3800	610	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[g,h,i]perylene	**490**	**J**	3800	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Benzo[k]fluoranthene	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Bis(2-chloroethoxy)methane	ND		3800	810	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Bis(2-chloroethyl)ether	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Bis(2-ethylhexyl) phthalate	ND		3800	1300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Butyl benzyl phthalate	ND		3800	630	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Caprolactam	ND		3800	1200	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Carbazole	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Chrysene	ND		3800	860	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Di-n-butyl phthalate	ND		3800	660	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Di-n-octyl phthalate	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Dibenz(a,h)anthracene	ND		3800	680	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Dibenzofuran	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Diethyl phthalate	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Dimethyl phthalate	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20

Client Sample ID: E-BERM-042018
Date Collected: 04/20/18 10:15
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-2
Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1400**	**J**	3800	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Fluorene	ND		3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachlorobenzene	ND		3800	520	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachlorobutadiene	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachlorocyclopentadiene	ND		3800	520	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Hexachloroethane	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Indeno[1,2,3-cd]pyrene	ND		3800	470	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Isophorone	ND		3800	810	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
N-Nitrosodi-n-propylamine	ND		3800	660	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
N-Nitrosodiphenylamine	ND		3800	3100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Naphthalene	ND		3800	500	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Nitrobenzene	ND		3800	430	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Pentachlorophenol	ND		7500	3800	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Phenanthrene	ND		3800	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Phenol	ND		3800	590	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20
Pyrene	**990**	**J**	3800	450	ug/Kg	☼	05/02/18 07:03	05/04/18 01:21	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*54 - 120*	*05/02/18 07:03*	*05/04/18 01:21*	*20*
2-Fluorobiphenyl	*96*		*60 - 120*	*05/02/18 07:03*	*05/04/18 01:21*	*20*
2-Fluorophenol	*94*		*52 - 120*	*05/02/18 07:03*	*05/04/18 01:21*	*20*
Nitrobenzene-d5	*91*		*53 - 120*	*05/02/18 07:03*	*05/04/18 01:21*	*20*
p-Terphenyl-d14	*111*		*65 - 121*	*05/02/18 07:03*	*05/04/18 01:21*	*20*
Phenol-d5	*89*		*54 - 120*	*05/02/18 07:03*	*05/04/18 01:21*	*20*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		93	18	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
4,4'-DDE	ND		93	20	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
4,4'-DDT	ND		93	22	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Aldrin	ND		93	23	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
alpha-BHC	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
cis-Chlordane	ND		93	46	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
beta-BHC	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
delta-BHC	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Dieldrin	ND		93	22	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endosulfan I	ND		93	18	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endosulfan II	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endosulfan sulfate	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endrin	ND		93	18	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endrin aldehyde	ND		93	24	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Endrin ketone	ND		93	23	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
gamma-BHC (Lindane)	ND		93	17	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
trans-Chlordane	ND		93	30	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Heptachlor	ND		93	20	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Heptachlor epoxide	ND		93	24	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Methoxychlor	ND		93	19	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50
Toxaphene	ND		930	540	ug/Kg	☼	04/24/18 07:51	04/26/18 13:57	50

Client Sample ID: E-BERM-042018
Date Collected: 04/20/18 10:15
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-2
Matrix: Solid
Percent Solids: 88.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	04/24/18 07:51	04/26/18 13:57	50
Tetrachloro-m-xylene	0	X	30 - 124	04/24/18 07:51	04/26/18 13:57	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1221	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1232	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1242	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1248	ND		0.28	0.055	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1262	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1
PCB-1268	ND		0.28	0.13	mg/Kg	☼	04/27/18 07:20	04/30/18 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	04/27/18 07:20	04/30/18 21:26	1
DCB Decachlorobiphenyl	91		65 - 174	04/27/18 07:20	04/30/18 21:26	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8520**		11.0	4.9	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Antimony	ND		16.6	0.44	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Arsenic	**4.9**		2.2	0.44	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Barium	**54.2**		0.55	0.12	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Beryllium	**0.39**		0.22	0.031	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Cadmium	**0.14**	**J**	0.22	0.033	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Calcium	**128000**	**B**	276	18.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:46	5
Chromium	**18.0**	**B**	0.55	0.22	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Cobalt	**4.9**		0.55	0.055	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Copper	**60.7**		5.5	1.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:46	5
Iron	**15700**	**B**	11.0	3.9	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Lead	**85.7**		1.1	0.26	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Magnesium	**14900**		22.1	1.0	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Manganese	**369**	**^**	1.1	0.18	mg/Kg	☼	04/21/18 11:57	04/24/18 11:46	5
Nickel	**14.6**		5.5	0.25	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Potassium	**3160**		33.1	22.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Selenium	ND		4.4	0.44	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Silver	ND		0.66	0.22	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Sodium	**189**		154	14.3	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Thallium	ND		6.6	0.33	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Vanadium	**34.1**		0.55	0.12	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1
Zinc	**56.5**		2.2	0.71	mg/Kg	☼	04/21/18 11:57	04/24/18 11:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**		0.021	0.0086	mg/Kg	☼	05/02/18 15:10	05/02/18 16:43	1

Client Sample ID: NW-SW-BERM-042018
Date Collected: 04/20/18 10:30
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-3
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 21:19	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 21:19	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 21:19	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 21:19	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 21:19	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 21:19	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 21:19	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 21:19	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 21:19	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 21:19	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 21:19	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 21:19	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*41 - 120*	*05/02/18 14:55*	*05/03/18 21:19*	*1*
2-Fluorobiphenyl	*77*		*48 - 120*	*05/02/18 14:55*	*05/03/18 21:19*	*1*
2-Fluorophenol	*42*		*35 - 120*	*05/02/18 14:55*	*05/03/18 21:19*	*1*
Nitrobenzene-d5	*78*		*46 - 120*	*05/02/18 14:55*	*05/03/18 21:19*	*1*
p-Terphenyl-d14	*106*		*59 - 136*	*05/02/18 14:55*	*05/03/18 21:19*	*1*
Phenol-d5	*29*		*22 - 120*	*05/02/18 14:55*	*05/03/18 21:19*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 23:10	1
Barium	**0.40**	**J**	1.0	0.10	mg/L		05/01/18 10:12	05/01/18 23:10	1
Cadmium	**0.0022**		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 23:10	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 23:10	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 23:10	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 23:10	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 23:10	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:22	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	**passed**				mL/100g			04/25/18 15:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 16:38	1
Sulfide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 15:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>180**		50.0	50.0	Degrees F			05/01/18 09:30	1
pH	**8.7**	**HF**	0.1	0.1	SU			04/25/18 14:13	1
Temperature	**19.8**	**HF**	0.001	0.001	Degrees C			04/25/18 14:13	1

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: W-BERM-042018
Date Collected: 04/20/18 11:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-4
Matrix: Solid
Percent Solids: 84.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dinitrophenol	ND		19000	9100	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Chlorophenol	ND		2000	360	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Nitroaniline	ND		3800	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
3-Nitroaniline	ND		3800	550	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Methylphenol	ND		3800	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Acenaphthene	**540**	**J**	2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Acenaphthylene	**300**	**J**	2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Acetophenone	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Anthracene	**1300**	**J**	2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Atrazine	ND		2000	690	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[a]anthracene	**3800**		2000	200	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[a]pyrene	**3300**		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[b]fluoranthene	**4300**		2000	310	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[g,h,i]perylene	**1800**	**J**	2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Benzo[k]fluoranthene	**1600**	**J**	2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Caprolactam	ND		2000	590	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Carbazole	**600**	**J**	2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Chrysene	**3500**		2000	440	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Dibenzofuran	**400**	**J**	2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10

Client Sample ID: W-BERM-042018
Date Collected: 04/20/18 11:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-4
Matrix: Solid
Percent Solids: 84.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**7700**		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Fluorene	**700**	**J**	2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Indeno[1,2,3-cd]pyrene	**1900**	**J**	2000	240	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Isophorone	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Naphthalene	**740**	**J**	2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Pentachlorophenol	ND		3800	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Phenanthrene	**5500**		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Phenol	ND		2000	300	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10
Pyrene	**6300**		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 01:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*54 - 120*	*05/02/18 07:03*	*05/04/18 01:48*	*10*
2-Fluorobiphenyl	*85*		*60 - 120*	*05/02/18 07:03*	*05/04/18 01:48*	*10*
2-Fluorophenol	*76*		*52 - 120*	*05/02/18 07:03*	*05/04/18 01:48*	*10*
Nitrobenzene-d5	*80*		*53 - 120*	*05/02/18 07:03*	*05/04/18 01:48*	*10*
p-Terphenyl-d14	*97*		*65 - 121*	*05/02/18 07:03*	*05/04/18 01:48*	*10*
Phenol-d5	*82*		*54 - 120*	*05/02/18 07:03*	*05/04/18 01:48*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		98	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
4,4'-DDE	ND		98	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
4,4'-DDT	ND		98	23	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Aldrin	ND		98	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
alpha-BHC	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
cis-Chlordane	ND		98	49	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
beta-BHC	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
delta-BHC	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Dieldrin	ND		98	23	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endosulfan I	ND		98	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endosulfan II	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endosulfan sulfate	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endrin	ND		98	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endrin aldehyde	ND		98	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Endrin ketone	ND		98	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
gamma-BHC (Lindane)	ND		98	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
trans-Chlordane	ND		98	31	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Heptachlor	ND		98	21	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Heptachlor epoxide	ND		98	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Methoxychlor	ND		98	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50
Toxaphene	ND		980	570	ug/Kg	☼	04/24/18 07:51	04/26/18 14:16	50

Client Sample ID: W-BERM-042018
Date Collected: 04/20/18 11:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-4
Matrix: Solid
Percent Solids: 84.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	04/24/18 07:51	04/26/18 14:16	50
Tetrachloro-m-xylene	0	X	30 - 124	04/24/18 07:51	04/26/18 14:16	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	04/27/18 07:20	04/30/18 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		60 - 154	04/27/18 07:20	04/30/18 21:41	1
DCB Decachlorobiphenyl	101		65 - 174	04/27/18 07:20	04/30/18 21:41	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6720**		12.1	5.3	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Antimony	ND		18.1	0.48	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Arsenic	**5.1**		2.4	0.48	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Barium	**80.7**		0.60	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Beryllium	**0.33**		0.24	0.034	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Cadmium	**0.29**		0.24	0.036	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Calcium	**98100**	**B**	60.5	4.0	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Chromium	**14.9**	**B**	0.60	0.24	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Cobalt	**4.8**		0.60	0.060	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Copper	**37.4**		1.2	0.25	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Iron	**17300**	**B**	12.1	4.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Lead	**38.7**		1.2	0.29	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Magnesium	**13500**		24.2	1.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Manganese	**287**	**^**	0.24	0.039	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Nickel	**13.5**		6.0	0.28	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Potassium	**1630**		36.3	24.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Selenium	ND		4.8	0.48	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Silver	ND		0.73	0.24	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Sodium	**190**		169	15.7	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Thallium	ND		7.3	0.36	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Vanadium	**22.0**		0.60	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1
Zinc	**102**		2.4	0.77	mg/Kg	☼	04/21/18 11:57	04/24/18 11:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.056**		0.024	0.0095	mg/Kg	☼	05/02/18 15:10	05/02/18 16:45	1

Client Sample ID: X-1-042018
Date Collected: 04/20/18 00:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-5
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 21:46	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 21:46	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 21:46	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 21:46	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 21:46	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 21:46	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 21:46	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 21:46	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 21:46	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 21:46	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 21:46	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 21:46	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*41 - 120*	*05/02/18 14:55*	*05/03/18 21:46*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*05/02/18 14:55*	*05/03/18 21:46*	*1*
2-Fluorophenol	*42*		*35 - 120*	*05/02/18 14:55*	*05/03/18 21:46*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*05/02/18 14:55*	*05/03/18 21:46*	*1*
p-Terphenyl-d14	*102*		*59 - 136*	*05/02/18 14:55*	*05/03/18 21:46*	*1*
Phenol-d5	*29*		*22 - 120*	*05/02/18 14:55*	*05/03/18 21:46*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 23:14	1
Barium	**0.35**	**J**	1.0	0.10	mg/L		05/01/18 10:12	05/01/18 23:14	1
Cadmium	**0.0022**		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 23:14	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 23:14	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 23:14	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 23:14	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 23:14	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:24	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	**passed**				mL/100g			04/25/18 15:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 16:38	1
Sulfide, Reactive	ND		9.9	9.9	mg/Kg		04/30/18 05:03	04/30/18 15:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>180**		50.0	50.0	Degrees F			05/01/18 09:30	1
pH	**9.1**	**HF**	0.1	0.1	SU			04/25/18 14:13	1
Temperature	**20.1**	**HF**	0.001	0.001	Degrees C			04/25/18 14:13	1

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-2-042018
Date Collected: 04/20/18 00:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-6
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dinitrophenol	ND		19000	9200	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Chlorophenol	ND		2000	360	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Nitroaniline	ND		3900	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
3,3'-Dichlorobenzidine	ND		3900	2300	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
3-Nitroaniline	ND		3900	550	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Methylphenol	ND		3900	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Nitroaniline	ND		3900	1000	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Acenaphthene	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Acetophenone	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Anthracene	**600**	**J**	2000	490	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Atrazine	ND		2000	690	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[a]anthracene	**2000**		2000	200	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[a]pyrene	**2000**		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[b]fluoranthene	**2400**		2000	320	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[g,h,i]perylene	**1200**	**J**	2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Benzo[k]fluoranthene	**1400**	**J**	2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Caprolactam	ND		2000	600	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Carbazole	**230**	**J**	2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Chrysene	**2200**		2000	440	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Dibenzofuran	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10

Client Sample ID: X-2-042018
Date Collected: 04/20/18 00:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-6
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**4200**		2000	210	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Fluorene	ND		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Indeno[1,2,3-cd]pyrene	**1200**	**J**	2000	250	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Isophorone	ND		2000	420	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Naphthalene	ND		2000	260	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Phenanthrene	**2200**		2000	290	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Phenol	ND		2000	300	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10
Pyrene	**3600**		2000	230	ug/Kg	☼	05/02/18 07:03	05/04/18 02:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*54 - 120*	*05/02/18 07:03*	*05/04/18 02:14*	*10*
2-Fluorobiphenyl	*84*		*60 - 120*	*05/02/18 07:03*	*05/04/18 02:14*	*10*
2-Fluorophenol	*87*		*52 - 120*	*05/02/18 07:03*	*05/04/18 02:14*	*10*
Nitrobenzene-d5	*75*		*53 - 120*	*05/02/18 07:03*	*05/04/18 02:14*	*10*
p-Terphenyl-d14	*98*		*65 - 121*	*05/02/18 07:03*	*05/04/18 02:14*	*10*
Phenol-d5	*78*		*54 - 120*	*05/02/18 07:03*	*05/04/18 02:14*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		96	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
4,4'-DDE	ND		96	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
4,4'-DDT	ND		96	22	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Aldrin	ND		96	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
alpha-BHC	ND		96	17	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
cis-Chlordane	ND		96	48	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
beta-BHC	ND		96	17	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
delta-BHC	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Dieldrin	ND		96	23	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endosulfan I	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endosulfan II	ND		96	17	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endosulfan sulfate	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endrin	ND		96	19	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endrin aldehyde	ND		96	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Endrin ketone	ND		96	24	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
gamma-BHC (Lindane)	ND		96	18	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
trans-Chlordane	ND		96	31	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Heptachlor	ND		96	21	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Heptachlor epoxide	ND		96	25	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Methoxychlor	ND		96	20	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50
Toxaphene	ND		960	560	ug/Kg	☼	04/24/18 07:51	04/26/18 14:36	50

Client Sample ID: X-2-042018
Date Collected: 04/20/18 00:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-6
Matrix: Solid
Percent Solids: 85.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	45 - 120	04/24/18 07:51	04/26/18 14:36	50
Tetrachloro-m-xylene	0	X	30 - 124	04/24/18 07:51	04/26/18 14:36	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1248	ND		0.21	0.041	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1254	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1260	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1262	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1
PCB-1268	ND		0.21	0.098	mg/Kg	☼	04/27/18 07:20	04/30/18 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		60 - 154	04/27/18 07:20	04/30/18 21:56	1
DCB Decachlorobiphenyl	93		65 - 174	04/27/18 07:20	04/30/18 21:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6760**		11.6	5.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Antimony	ND		17.4	0.46	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Arsenic	**5.0**		2.3	0.46	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Barium	**72.9**		0.58	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Beryllium	**0.34**		0.23	0.032	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Cadmium	**0.29**		0.23	0.035	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Calcium	**128000**	**B**	290	19.1	mg/Kg	☼	04/21/18 11:57	04/25/18 10:15	5
Chromium	**13.2**	**B**	0.58	0.23	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Cobalt	**3.7**		0.58	0.058	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Copper	**42.6**		5.8	1.2	mg/Kg	☼	04/21/18 11:57	04/25/18 10:15	5
Iron	**16200**	**B**	11.6	4.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Lead	**38.7**		1.2	0.28	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Magnesium	**7790**		23.2	1.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Manganese	**323**	**^**	0.23	0.037	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Nickel	**14.1**		5.8	0.27	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Potassium	**1900**		34.8	23.2	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Selenium	ND		4.6	0.46	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Silver	ND		0.70	0.23	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Sodium	**196**		162	15.1	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Thallium	ND		7.0	0.35	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Vanadium	**21.8**		0.58	0.13	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1
Zinc	**99.9**		2.3	0.74	mg/Kg	☼	04/21/18 11:57	04/24/18 11:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.062**		0.023	0.0095	mg/Kg	☼	05/02/18 15:10	05/02/18 16:46	1

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-7

Date Collected: 04/20/18 09:30
Matrix: Solid
Date Received: 04/21/18 01:45

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/08/18 23:33	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/08/18 23:33	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/08/18 23:33	10
Chloroform	ND		0.010	0.0034	mg/L			05/08/18 23:33	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/08/18 23:33	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/08/18 23:33	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/08/18 23:33	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/08/18 23:33	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/08/18 23:33	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/08/18 23:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/08/18 23:33*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/08/18 23:33*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*05/08/18 23:33*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*05/08/18 23:33*	*10*

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15
Matrix: Solid
Date Received: 04/21/18 01:45
Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4	0.39	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4	0.87	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1,2-Trichloroethane	ND	vs	5.4	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.4	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1-Dichloroethane	ND	vs	5.4	0.66	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,1-Dichloroethene	ND	vs	5.4	0.66	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2,4-Trichlorobenzene	ND	vs	5.4	0.33	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dichlorobenzene	ND	vs	5.4	0.42	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dichloroethane	ND	vs	5.4	0.27	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dichloropropane	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,3-Dichlorobenzene	ND	vs	5.4	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,4-Dichlorobenzene	ND	vs	5.4	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
2-Butanone (MEK)	ND	vs	27	2.0	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
2-Hexanone	ND	vs	27	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27	1.8	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Acetone	ND	vs	27	4.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Benzene	ND	vs	5.4	0.26	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Bromodichloromethane	ND	vs	5.4	0.72	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Bromoform	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Bromomethane	ND	vs	5.4	0.48	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Carbon disulfide	ND	vs	5.4	2.7	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Carbon tetrachloride	ND	vs	5.4	0.52	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Chlorobenzene	ND	vs	5.4	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Dibromochloromethane	ND	vs	5.4	0.69	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Chloroethane	ND	vs	5.4	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Chloroform	ND	vs	5.4	0.33	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	5.4	0.32	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
cis-1,2-Dichloroethene	ND	vs	5.4	0.69	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
cis-1,3-Dichloropropene	ND	vs	5.4	0.77	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Cyclohexane	ND	vs	5.4	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Dichlorodifluoromethane	ND	vs	5.4	0.44	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Ethylbenzene	ND	vs	5.4	0.37	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
1,2-Dibromoethane	ND	vs	5.4	0.69	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Isopropylbenzene	ND	vs	5.4	0.81	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methyl acetate	ND	vs	27	3.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methyl tert-butyl ether	ND	vs	5.4	0.53	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methylcyclohexane	ND	vs	5.4	0.82	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Methylene Chloride	**5.2**	**J vs**	5.4	2.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Styrene	ND	vs	5.4	0.27	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Tetrachloroethene	ND	vs	5.4	0.72	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Toluene	ND	vs	5.4	0.41	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
trans-1,2-Dichloroethene	ND	vs	5.4	0.55	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
trans-1,3-Dichloropropene	ND	vs	5.4	2.4	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Trichloroethene	ND	vs	5.4	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Trichlorofluoromethane	ND	vs	5.4	0.51	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Vinyl chloride	ND	vs	5.4	0.66	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1
Xylenes, Total	ND	vs	11	0.90	ug/Kg	☼	04/23/18 09:21	04/23/18 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*71 - 125*	*04/23/18 09:21*	*04/23/18 19:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*04/23/18 09:21*	*04/23/18 19:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*04/23/18 09:21*	*04/23/18 19:10*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*04/23/18 09:21*	*04/23/18 19:10*	*1*

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-9

Date Collected: 04/20/18 10:30

Matrix: Solid

Date Received: 04/21/18 01:45

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/08/18 23:57	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/08/18 23:57	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/08/18 23:57	10
Chloroform	ND		0.010	0.0034	mg/L			05/08/18 23:57	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/08/18 23:57	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/08/18 23:57	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/08/18 23:57	10
Tetrachloroethene	**0.0057**	**J**	0.010	0.0036	mg/L			05/08/18 23:57	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/08/18 23:57	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/08/18 23:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/08/18 23:57*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/08/18 23:57*	*10*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/08/18 23:57*	*10*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/08/18 23:57*	*10*

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: W-BERM-042018
Date Collected: 04/20/18 11:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-10
Matrix: Solid
Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.7	0.42	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7	0.93	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1,2-Trichloroethane	ND	vs	5.7	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1-Dichloroethane	ND	vs	5.7	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,1-Dichloroethene	ND	vs	5.7	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2,4-Trichlorobenzene	ND	vs	5.7	0.35	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dichlorobenzene	ND	vs	5.7	0.45	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dichloroethane	ND	vs	5.7	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dichloropropane	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,3-Dichlorobenzene	ND	vs	5.7	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,4-Dichlorobenzene	ND	vs	5.7	0.80	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Acetone	ND	vs	29	4.8	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Benzene	ND	vs	5.7	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Bromodichloromethane	ND	vs	5.7	0.77	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Bromoform	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Bromomethane	ND	vs	5.7	0.52	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Carbon disulfide	ND	vs	5.7	2.9	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Carbon tetrachloride	ND	vs	5.7	0.56	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chlorobenzene	ND	vs	5.7	0.76	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Dibromochloromethane	ND	vs	5.7	0.73	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chloroethane	ND	vs	5.7	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chloroform	ND	vs	5.7	0.35	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Chloromethane	ND	vs	5.7	0.35	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
cis-1,2-Dichloroethene	ND	vs	5.7	0.73	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
cis-1,3-Dichloropropene	ND	vs	5.7	0.83	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Cyclohexane	ND	vs	5.7	0.80	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Dichlorodifluoromethane	ND	vs	5.7	0.47	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Ethylbenzene	ND	vs	5.7	0.40	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
1,2-Dibromoethane	ND	vs	5.7	0.74	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Isopropylbenzene	ND	vs	5.7	0.86	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methyl tert-butyl ether	ND	vs	5.7	0.56	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methylcyclohexane	ND	vs	5.7	0.87	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Methylene Chloride	**7.4**	**vs**	5.7	2.6	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Styrene	ND	vs	5.7	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Tetrachloroethene	**2.3**	**J vs**	5.7	0.77	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Toluene	ND	vs	5.7	0.43	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
trans-1,2-Dichloroethene	ND	vs	5.7	0.59	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
trans-1,3-Dichloropropene	ND	vs	5.7	2.5	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Trichloroethene	ND	vs	5.7	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Trichlorofluoromethane	ND	vs	5.7	0.54	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Vinyl chloride	ND	vs	5.7	0.70	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1
Xylenes, Total	ND	vs	11	0.96	ug/Kg	☼	04/23/18 09:21	04/23/18 19:36	1

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-10

Date Collected: 04/20/18 11:00
Matrix: Solid
Date Received: 04/21/18 01:45
Percent Solids: 86.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*71 - 125*	*04/23/18 09:21*	*04/23/18 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*04/23/18 09:21*	*04/23/18 19:36*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*04/23/18 09:21*	*04/23/18 19:36*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*04/23/18 09:21*	*04/23/18 19:36*	*1*

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-11

Date Collected: 04/20/18 00:00
Matrix: Solid
Date Received: 04/21/18 01:45

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/09/18 00:21	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/09/18 00:21	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/09/18 00:21	10
Chloroform	ND		0.010	0.0034	mg/L			05/09/18 00:21	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/09/18 00:21	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/09/18 00:21	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/09/18 00:21	10
Tetrachloroethene	**0.0071**	**J**	0.010	0.0036	mg/L			05/09/18 00:21	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/09/18 00:21	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/09/18 00:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/09/18 00:21*	*10*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/09/18 00:21*	*10*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/09/18 00:21*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/09/18 00:21*	*10*

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-12

Date Collected: 04/20/18 00:00
Matrix: Solid
Date Received: 04/21/18 01:45
Percent Solids: 89.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6	0.40	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1,2,2-Tetrachloroethane	ND	vs F1	5.6	0.90	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1,2-Trichloroethane	ND	vs F1	5.6	0.72	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1-Dichloroethane	ND	vs	5.6	0.68	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,1-Dichloroethene	ND	vs	5.6	0.68	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2,4-Trichlorobenzene	ND	vs F1	5.6	0.34	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dibromo-3-Chloropropane	ND	vs F1	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dichlorobenzene	ND	vs F1	5.6	0.43	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dichloroethane	ND	vs F1	5.6	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dichloropropane	ND	vs	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,3-Dichlorobenzene	ND	vs F1	5.6	0.29	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,4-Dichlorobenzene	ND	vs F1	5.6	0.78	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
2-Butanone (MEK)	ND	vs F1	28	2.0	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
2-Hexanone	ND	vs F1	28	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
4-Methyl-2-pentanone (MIBK)	ND	vs F1	28	1.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Acetone	ND	vs F1	28	4.7	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1

Client Sample ID: X-2-042018
Date Collected: 04/20/18 00:00
Date Received: 04/21/18 01:45

Lab Sample ID: 480-134628-12
Matrix: Solid
Percent Solids: 89.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	vs	5.6	0.27	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Bromodichloromethane	ND	vs F1	5.6	0.74	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Bromoform	ND	vs F1	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Bromomethane	ND	vs	5.6	0.50	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Carbon disulfide	ND	vs F1	5.6	2.8	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Carbon tetrachloride	ND	vs F1	5.6	0.54	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chlorobenzene	ND	vs F1	5.6	0.73	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Dibromochloromethane	ND	vs F1	5.6	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chloroethane	ND	vs	5.6	1.3	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chloroform	ND	vs	5.6	0.34	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Chloromethane	ND	vs	5.6	0.34	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
cis-1,2-Dichloroethene	ND	vs F1	5.6	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
cis-1,3-Dichloropropene	ND	vs F1	5.6	0.80	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Cyclohexane	ND	vs	5.6	0.78	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Dichlorodifluoromethane	ND	vs	5.6	0.46	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Ethylbenzene	ND	vs F1	5.6	0.38	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
1,2-Dibromoethane	ND	vs F1	5.6	0.71	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Isopropylbenzene	ND	vs	5.6	0.84	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methyl tert-butyl ether	ND	vs	5.6	0.55	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methylcyclohexane	ND	vs F1	5.6	0.84	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Methylene Chloride	**6.5**	**vs**	5.6	2.6	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Styrene	ND	vs F1	5.6	0.28	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Tetrachloroethene	**7.4**	**vs**	5.6	0.75	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Toluene	ND	vs	5.6	0.42	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
trans-1,2-Dichloroethene	ND	vs F1	5.6	0.57	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
trans-1,3-Dichloropropene	ND	vs F1	5.6	2.4	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Trichloroethene	**1.5**	**J vs F1**	5.6	1.2	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Trichlorofluoromethane	ND	vs	5.6	0.53	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Vinyl chloride	ND	vs	5.6	0.68	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1
Xylenes, Total	ND	vs F1	11	0.93	ug/Kg	☼	04/23/18 09:21	04/23/18 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*71 - 125*	*04/23/18 09:21*	*04/23/18 20:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*04/23/18 09:21*	*04/23/18 20:01*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*04/23/18 09:21*	*04/23/18 20:01*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*04/23/18 09:21*	*04/23/18 20:01*	*1*

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
LCS 480-412741/5	Lab Control Sample	97	108	104	107
LCS 480-413229/5	Lab Control Sample	94	102	101	106
MB 480-412741/7	Method Blank	95	105	99	103
MB 480-413229/7	Method Blank	105	107	104	111

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-134628-7	NE-SE BERM-042018	104	94	104	106
480-134628-9	NW-SW-BERM-042018	100	92	98	100
480-134628-11	X-1-042018	101	90	98	103
LB 480-411593/1-A	Method Blank	108	95	101	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)	(60-140)
480-134628-8	E-BERM-042018	105	105	102	106
480-134628-10	W-BERM-042018	105	105	99	108
480-134628-12	X-2-042018	112	104	92	107
480-134628-12 MS	X-2-042018	110	95	97	107
480-134628-12 MSD	X-2-042018	111	92	95	105
LCS 480-410288/1-A	Lab Control Sample	106	99	105	106
MB 480-410288/2-A	Method Blank	104	106	102	106

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(65-121)	(54-120)
480-134628-2	E-BERM-042018	116	96	94	91	111	89
480-134628-4	W-BERM-042018	81	85	76	80	97	82
480-134628-6	X-2-042018	75	84	87	75	98	78
LCS 480-411993/2-A	Lab Control Sample	93	76	69	78	107	75
MB 480-411993/1-A	Method Blank	77	88	80	88	106	83

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(59-136)	(22-120)
LCS 480-412129/2-A	Lab Control Sample	100	86	44	82	100	30
LCSD 480-412129/3-A	Lab Control Sample Dup	91	84	43	77	100	30
MB 480-412129/1-A	Method Blank	89	98	48	95	111	33

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(59-136)	(22-120)
480-134628-1	NE-SE BERM-042018	95	82	45	77	104	30
480-134628-3	NW-SW-BERM-042018	89	77	42	78	106	29
480-134628-5	X-1-042018	95	85	42	80	102	29
LB 480-411629/1-D	Method Blank	87	85	44	81	104	32

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		DCBP2	TCX2								
Lab Sample ID	Client Sample ID	(45-120)	(30-124)								
480-134628-2	E-BERM-042018	0 X	0 X								
480-134628-4	W-BERM-042018	0 X	0 X								
480-134628-6	X-2-042018	0 X	0 X								
LCS 480-410453/2-A	Lab Control Sample	73	53								
MB 480-410453/1-A	Method Blank	73	54								

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX1	DCBP1								
Lab Sample ID	Client Sample ID	(60-154)	(65-174)								
480-134628-2	E-BERM-042018	100	91								
480-134628-4	W-BERM-042018	105	101								
480-134628-6	X-2-042018	91	93								
LCS 480-411220/2-A	Lab Control Sample	128	124								
MB 480-411220/1-A	Method Blank	106	106								

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-412741/7
Matrix: Solid
Analysis Batch: 412741

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/05/18 10:08	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/05/18 10:08	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/05/18 10:08	1
Benzene	ND		0.0010	0.00041	mg/L			05/05/18 10:08	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/05/18 10:08	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/05/18 10:08	1
Chloroform	ND		0.0010	0.00034	mg/L			05/05/18 10:08	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/05/18 10:08	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/05/18 10:08	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/05/18 10:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/05/18 10:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/05/18 10:08*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/05/18 10:08*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/05/18 10:08*	*1*

Lab Sample ID: LCS 480-412741/5
Matrix: Solid
Analysis Batch: 412741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0267		mg/L		107	66 - 127
1,2-Dichloroethane	0.0250	0.0270		mg/L		108	75 - 120
2-Butanone (MEK)	0.125	0.164		mg/L		131	57 - 140
Benzene	0.0250	0.0254		mg/L		102	71 - 124
Carbon tetrachloride	0.0250	0.0273		mg/L		109	72 - 134
Chlorobenzene	0.0250	0.0246		mg/L		98	80 - 120
Chloroform	0.0250	0.0247		mg/L		99	73 - 127
Tetrachloroethene	0.0250	0.0284		mg/L		113	74 - 122
Trichloroethene	0.0250	0.0252		mg/L		101	74 - 123
Vinyl chloride	0.0250	0.0249		mg/L		99	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: MB 480-413229/7
Matrix: Solid
Analysis Batch: 413229

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/08/18 22:46	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/08/18 22:46	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/08/18 22:46	1

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: MB 480-413229/7
Matrix: Solid
Analysis Batch: 413229

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00041	mg/L			05/08/18 22:46	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/08/18 22:46	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/08/18 22:46	1
Chloroform	ND		0.0010	0.00034	mg/L			05/08/18 22:46	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/08/18 22:46	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/08/18 22:46	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/08/18 22:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/08/18 22:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*05/08/18 22:46*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*05/08/18 22:46*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*05/08/18 22:46*	*1*

Lab Sample ID: LCS 480-413229/5
Matrix: Solid
Analysis Batch: 413229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0263		mg/L		105	66 - 127
1,2-Dichloroethane	0.0250	0.0255		mg/L		102	75 - 120
2-Butanone (MEK)	0.125	0.149		mg/L		119	57 - 140
Benzene	0.0250	0.0256		mg/L		102	71 - 124
Carbon tetrachloride	0.0250	0.0261		mg/L		104	72 - 134
Chlorobenzene	0.0250	0.0243		mg/L		97	80 - 120
Chloroform	0.0250	0.0243		mg/L		97	73 - 127
Tetrachloroethene	0.0250	0.0281		mg/L		112	74 - 122
Trichloroethene	0.0250	0.0256		mg/L		103	74 - 123
Vinyl chloride	0.0250	0.0274		mg/L		110	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: LB 480-411593/1-A
Matrix: Solid
Analysis Batch: 412741

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/05/18 11:02	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/05/18 11:02	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/05/18 11:02	10
Benzene	ND		0.010	0.0041	mg/L			05/05/18 11:02	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/05/18 11:02	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/05/18 11:02	10
Chloroform	ND		0.010	0.0034	mg/L			05/05/18 11:02	10

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-411593/1-A
Matrix: Solid
Analysis Batch: 412741

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/05/18 11:02	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/05/18 11:02	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/05/18 11:02	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/05/18 11:02*	*10*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*05/05/18 11:02*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/05/18 11:02*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/05/18 11:02*	*10*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-410288/2-A
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
2-Hexanone	ND		25	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Acetone	ND		25	4.2	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Benzene	ND		5.0	0.25	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Bromoform	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Bromomethane	ND		5.0	0.45	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chloroethane	ND		5.0	1.1	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chloroform	ND		5.0	0.31	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Chloromethane	ND		5.0	0.30	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Cyclohexane	ND		5.0	0.70	ug/Kg		04/23/18 09:21	04/23/18 14:45	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-410288/2-A
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methyl acetate	ND		25	3.0	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Styrene	ND		5.0	0.25	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Toluene	ND		5.0	0.38	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Trichloroethene	ND		5.0	1.1	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		04/23/18 09:21	04/23/18 14:45	1
Xylenes, Total	ND		10	0.84	ug/Kg		04/23/18 09:21	04/23/18 14:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*71 - 125*	*04/23/18 09:21*	*04/23/18 14:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*04/23/18 09:21*	*04/23/18 14:45*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*04/23/18 09:21*	*04/23/18 14:45*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*04/23/18 09:21*	*04/23/18 14:45*	*1*

Lab Sample ID: LCS 480-410288/1-A
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	47.0		ug/Kg		94	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/Kg		96	80 - 120
1,1,2-Trichloroethane	50.0	48.0		ug/Kg		96	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.8		ug/Kg		96	60 - 140
1,1-Dichloroethane	50.0	48.6		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	47.4		ug/Kg		95	59 - 125
1,2,4-Trichlorobenzene	50.0	46.9		ug/Kg		94	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.6		ug/Kg		85	63 - 124
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	45.6		ug/Kg		91	77 - 122
1,2-Dichloropropane	50.0	48.8		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	50.0	49.8		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.9		ug/Kg		100	73 - 120
2-Butanone (MEK)	250	240		ug/Kg		96	70 - 134
2-Hexanone	250	230		ug/Kg		92	59 - 130
4-Methyl-2-pentanone (MIBK)	250	225		ug/Kg		90	65 - 133
Acetone	250	236		ug/Kg		95	61 - 137
Benzene	50.0	49.9		ug/Kg		100	79 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-410288/1-A
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	50.0	48.4		ug/Kg		97	80 - 122
Bromoform	50.0	46.1		ug/Kg		92	68 - 126
Bromomethane	50.0	44.4		ug/Kg		89	37 - 149
Carbon disulfide	50.0	56.0		ug/Kg		112	64 - 131
Carbon tetrachloride	50.0	45.6		ug/Kg		91	75 - 135
Chlorobenzene	50.0	51.1		ug/Kg		102	76 - 124
Dibromochloromethane	50.0	50.2		ug/Kg		100	76 - 125
Chloroethane	50.0	43.0		ug/Kg		86	69 - 135
Chloroform	50.0	49.4		ug/Kg		99	80 - 120
Chloromethane	50.0	40.4		ug/Kg		81	63 - 127
cis-1,2-Dichloroethene	50.0	49.7		ug/Kg		99	81 - 120
cis-1,3-Dichloropropene	50.0	47.8		ug/Kg		96	80 - 120
Cyclohexane	50.0	48.4		ug/Kg		97	65 - 120
Dichlorodifluoromethane	50.0	45.3		ug/Kg		91	57 - 142
Ethylbenzene	50.0	50.9		ug/Kg		102	80 - 120
1,2-Dibromoethane	50.0	49.3		ug/Kg		99	78 - 120
Isopropylbenzene	50.0	50.2		ug/Kg		100	72 - 120
Methyl acetate	100	93.5		ug/Kg		93	55 - 136
Methyl tert-butyl ether	50.0	44.8		ug/Kg		90	63 - 125
Methylcyclohexane	50.0	48.5		ug/Kg		97	60 - 140
Methylene Chloride	50.0	42.4		ug/Kg		85	61 - 127
Styrene	50.0	50.3		ug/Kg		101	80 - 120
Tetrachloroethene	50.0	53.2		ug/Kg		106	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	78 - 126
trans-1,3-Dichloropropene	50.0	46.7		ug/Kg		93	73 - 123
Trichloroethene	50.0	51.6		ug/Kg		103	77 - 129
Trichlorofluoromethane	50.0	48.2		ug/Kg		96	65 - 146
Vinyl chloride	50.0	41.1		ug/Kg		82	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*
4-Bromofluorobenzene (Surr)	*105*		*72 - 126*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

Lab Sample ID: 480-134628-12 MS
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: X-2-042018
Prep Type: Total/NA
Prep Batch: 410288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	vs	55.5	46.8	vs	ug/Kg	☼	84	77 - 121
1,1,2,2-Tetrachloroethane	ND	vs F1	55.5	44.2	vs	ug/Kg	☼	80	80 - 120
1,1,2-Trichloroethane	ND	vs F1	55.5	43.7	vs	ug/Kg	☼	79	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	55.5	49.7	vs	ug/Kg	☼	89	60 - 140
1,1-Dichloroethane	ND	vs	55.5	49.9	vs	ug/Kg	☼	90	73 - 126
1,1-Dichloroethene	ND	vs	55.5	47.0	vs	ug/Kg	☼	85	59 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-134628-12 MS
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: X-2-042018
Prep Type: Total/NA
Prep Batch: 410288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND	vs F1	55.5	13.5	vs F1	ug/Kg	☼	24	64 - 120
1,2-Dibromo-3-Chloropropane	ND	vs F1	55.5	28.3	vs F1	ug/Kg	☼	51	63 - 124
1,2-Dichlorobenzene	ND	vs F1	55.5	30.5	vs F1	ug/Kg	☼	55	75 - 120
1,2-Dichloroethane	ND	vs F1	55.5	41.7	vs F1	ug/Kg	☼	75	77 - 122
1,2-Dichloropropane	ND	vs	55.5	47.6	vs	ug/Kg	☼	86	75 - 124
1,3-Dichlorobenzene	ND	vs F1	55.5	28.9	vs F1	ug/Kg	☼	52	74 - 120
1,4-Dichlorobenzene	ND	vs F1	55.5	27.7	vs F1	ug/Kg	☼	50	73 - 120
2-Butanone (MEK)	ND	vs F1	278	175	vs F1	ug/Kg	☼	63	70 - 134
2-Hexanone	ND	vs F1	278	159	vs F1	ug/Kg	☼	57	59 - 130
4-Methyl-2-pentanone (MIBK)	ND	vs F1	278	184	vs	ug/Kg	☼	66	65 - 133
Acetone	ND	vs F1	278	175	vs	ug/Kg	☼	63	61 - 137
Benzene	ND	vs	55.5	48.0	vs	ug/Kg	☼	86	79 - 127
Bromodichloromethane	ND	vs F1	55.5	44.7	vs	ug/Kg	☼	80	80 - 122
Bromoform	ND	vs F1	55.5	32.1	vs F1	ug/Kg	☼	58	68 - 126
Bromomethane	ND	vs	55.5	48.1	vs	ug/Kg	☼	87	37 - 149
Carbon disulfide	ND	vs F1	55.5	39.4	vs	ug/Kg	☼	71	64 - 131
Carbon tetrachloride	ND	vs F1	55.5	42.3	vs	ug/Kg	☼	76	75 - 135
Chlorobenzene	ND	vs F1	55.5	38.3	vs F1	ug/Kg	☼	69	76 - 124
Dibromochloromethane	ND	vs F1	55.5	42.3	vs	ug/Kg	☼	76	76 - 125
Chloroethane	ND	vs	55.5	50.7	vs	ug/Kg	☼	91	69 - 135
Chloroform	ND	vs	55.5	49.1	vs	ug/Kg	☼	88	80 - 120
Chloromethane	ND	vs	55.5	45.6	vs	ug/Kg	☼	82	63 - 127
cis-1,2-Dichloroethene	ND	vs F1	55.5	45.5	vs	ug/Kg	☼	82	80 - 120
cis-1,3-Dichloropropene	ND	vs F1	55.5	35.2	vs F1	ug/Kg	☼	63	80 - 120
Cyclohexane	ND	vs	55.5	41.9	vs	ug/Kg	☼	75	65 - 120
Dichlorodifluoromethane	ND	vs	55.5	51.5	vs	ug/Kg	☼	93	57 - 142
Ethylbenzene	ND	vs F1	55.5	41.1	vs F1	ug/Kg	☼	74	80 - 120
1,2-Dibromoethane	ND	vs F1	55.5	37.4	vs F1	ug/Kg	☼	67	78 - 120
Isopropylbenzene	ND	vs	55.5	47.2	vs	ug/Kg	☼	85	72 - 120
Methyl acetate	ND	vs	111	89.8	vs	ug/Kg	☼	81	55 - 136
Methyl tert-butyl ether	ND	vs	55.5	44.6	vs	ug/Kg	☼	80	63 - 125
Methylcyclohexane	ND	vs F1	55.5	34.6	vs	ug/Kg	☼	62	60 - 140
Methylene Chloride	6.5	vs	55.5	50.0	vs	ug/Kg	☼	78	61 - 127
Styrene	ND	vs F1	55.5	34.2	vs F1	ug/Kg	☼	62	80 - 120
Tetrachloroethene	7.4	vs	55.5	53.4	vs	ug/Kg	☼	83	74 - 122
Toluene	ND	vs	55.5	44.3	vs	ug/Kg	☼	80	74 - 128
trans-1,2-Dichloroethene	ND	vs F1	55.5	43.8	vs	ug/Kg	☼	79	78 - 126
trans-1,3-Dichloropropene	ND	vs F1	55.5	32.4	vs F1	ug/Kg	☼	58	73 - 123
Trichloroethene	1.5	J vs F1	55.5	43.2	vs F1	ug/Kg	☼	75	77 - 129
Trichlorofluoromethane	ND	vs	55.5	57.4	vs	ug/Kg	☼	103	65 - 146
Vinyl chloride	ND	vs	55.5	43.0	vs	ug/Kg	☼	77	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*
Dibromofluoromethane (Surr)	*107*		*60 - 140*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-134628-12 MSD
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: X-2-042018
Prep Type: Total/NA
Prep Batch: 410288

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	vs	54.6	43.1	vs	ug/Kg	☼	79	77 - 121	8	30
1,1,2,2-Tetrachloroethane	ND	vs F1	54.6	41.4	vs F1	ug/Kg	☼	76	80 - 120	6	30
1,1,2-Trichloroethane	ND	vs F1	54.6	40.6	vs F1	ug/Kg	☼	74	78 - 122	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	54.6	43.6	vs	ug/Kg	☼	80	60 - 140	13	30
1,1-Dichloroethane	ND	vs	54.6	46.3	vs	ug/Kg	☼	85	73 - 126	7	30
1,1-Dichloroethene	ND	vs	54.6	42.4	vs	ug/Kg	☼	78	59 - 125	10	30
1,2,4-Trichlorobenzene	ND	vs F1	54.6	11.1	vs F1	ug/Kg	☼	20	64 - 120	19	30
1,2-Dibromo-3-Chloropropane	ND	vs F1	54.6	25.6	vs F1	ug/Kg	☼	47	63 - 124	10	30
1,2-Dichlorobenzene	ND	vs F1	54.6	26.7	vs F1	ug/Kg	☼	49	75 - 120	13	30
1,2-Dichloroethane	ND	vs F1	54.6	38.5	vs F1	ug/Kg	☼	71	77 - 122	8	30
1,2-Dichloropropane	ND	vs	54.6	44.1	vs	ug/Kg	☼	81	75 - 124	8	30
1,3-Dichlorobenzene	ND	vs F1	54.6	25.2	vs F1	ug/Kg	☼	46	74 - 120	14	30
1,4-Dichlorobenzene	ND	vs F1	54.6	23.8	vs F1	ug/Kg	☼	44	73 - 120	15	30
2-Butanone (MEK)	ND	vs F1	273	156	vs F1	ug/Kg	☼	57	70 - 134	12	30
2-Hexanone	ND	vs F1	273	146	vs F1	ug/Kg	☼	54	59 - 130	8	30
4-Methyl-2-pentanone (MIBK)	ND	vs F1	273	167	vs F1	ug/Kg	☼	61	65 - 133	10	30
Acetone	ND	vs F1	273	164	vs F1	ug/Kg	☼	60	61 - 137	6	30
Benzene	ND	vs	54.6	44.0	vs	ug/Kg	☼	81	79 - 127	9	30
Bromodichloromethane	ND	vs F1	54.6	41.7	vs F1	ug/Kg	☼	76	80 - 122	7	30
Bromoform	ND	vs F1	54.6	29.4	vs F1	ug/Kg	☼	54	68 - 126	9	30
Bromomethane	ND	vs	54.6	43.3	vs	ug/Kg	☼	79	37 - 149	11	30
Carbon disulfide	ND	vs F1	54.6	34.4	vs F1	ug/Kg	☼	63	64 - 131	14	30
Carbon tetrachloride	ND	vs F1	54.6	39.6	vs F1	ug/Kg	☼	72	75 - 135	7	30
Chlorobenzene	ND	vs F1	54.6	35.1	vs F1	ug/Kg	☼	64	76 - 124	9	30
Dibromochloromethane	ND	vs F1	54.6	39.4	vs F1	ug/Kg	☼	72	76 - 125	7	30
Chloroethane	ND	vs	54.6	45.1	vs	ug/Kg	☼	83	69 - 135	12	30
Chloroform	ND	vs	54.6	46.3	vs	ug/Kg	☼	85	80 - 120	6	30
Chloromethane	ND	vs	54.6	41.1	vs	ug/Kg	☼	75	63 - 127	10	30
cis-1,2-Dichloroethene	ND	vs F1	54.6	42.3	vs F1	ug/Kg	☼	77	80 - 120	7	30
cis-1,3-Dichloropropene	ND	vs F1	54.6	32.7	vs F1	ug/Kg	☼	60	80 - 120	7	30
Cyclohexane	ND	vs	54.6	36.7	vs	ug/Kg	☼	67	65 - 120	13	30
Dichlorodifluoromethane	ND	vs	54.6	44.6	vs	ug/Kg	☼	82	57 - 142	14	30
Ethylbenzene	ND	vs F1	54.6	37.6	vs F1	ug/Kg	☼	69	80 - 120	9	30
1,2-Dibromoethane	ND	vs F1	54.6	34.3	vs F1	ug/Kg	☼	63	78 - 120	9	30
Isopropylbenzene	ND	vs	54.6	43.1	vs	ug/Kg	☼	79	72 - 120	9	30
Methyl acetate	ND	vs	109	80.1	vs	ug/Kg	☼	73	55 - 136	11	30
Methyl tert-butyl ether	ND	vs	54.6	41.4	vs	ug/Kg	☼	76	63 - 125	8	30
Methylcyclohexane	ND	vs F1	54.6	29.3	vs F1	ug/Kg	☼	54	60 - 140	17	30
Methylene Chloride	6.5	vs	54.6	46.2	vs	ug/Kg	☼	73	61 - 127	8	30
Styrene	ND	vs F1	54.6	30.2	vs F1	ug/Kg	☼	55	80 - 120	12	30
Tetrachloroethene	7.4	vs	54.6	50.6	vs	ug/Kg	☼	79	74 - 122	5	30
Toluene	ND	vs	54.6	41.5	vs	ug/Kg	☼	76	74 - 128	6	30
trans-1,2-Dichloroethene	ND	vs F1	54.6	39.5	vs F1	ug/Kg	☼	72	78 - 126	10	30
trans-1,3-Dichloropropene	ND	vs F1	54.6	29.6	vs F1	ug/Kg	☼	54	73 - 123	9	30
Trichloroethene	1.5	J vs F1	54.6	39.1	vs F1	ug/Kg	☼	69	77 - 129	10	30
Trichlorofluoromethane	ND	vs	54.6	50.5	vs	ug/Kg	☼	93	65 - 146	13	30
Vinyl chloride	ND	vs	54.6	38.9	vs	ug/Kg	☼	71	61 - 133	10	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-134628-12 MSD
Matrix: Solid
Analysis Batch: 410294

Client Sample ID: X-2-042018
Prep Type: Total/NA
Prep Batch: 410288

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	*111*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*92*		*64 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-411993/1-A
Matrix: Solid
Analysis Batch: 412413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Chloronaphthalene	ND		170	28	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Chlorophenol	ND		170	31	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Methylnaphthalene	ND		170	34	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Methylphenol	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Nitroaniline	ND		330	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
2-Nitrophenol	ND		170	48	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
3-Nitroaniline	ND		330	47	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Chloroaniline	ND		170	42	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Methylphenol	ND		330	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Nitroaniline	ND		330	88	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
4-Nitrophenol	ND		330	120	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Acenaphthene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Acenaphthylene	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Acetophenone	ND		170	23	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Anthracene	ND		170	42	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Atrazine	ND		170	58	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzaldehyde	ND		170	130	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[a]anthracene	ND		170	17	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[a]pyrene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-411993/1-A
Matrix: Solid
Analysis Batch: 412413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Caprolactam	ND		170	50	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Carbazole	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Chrysene	ND		170	38	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Dibenzofuran	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Diethyl phthalate	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Dimethyl phthalate	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Fluoranthene	ND		170	18	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Fluorene	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachlorobenzene	ND		170	23	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachlorobutadiene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Hexachloroethane	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Isophorone	ND		170	36	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Naphthalene	ND		170	22	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Nitrobenzene	ND		170	19	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Pentachlorophenol	ND		330	170	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Phenanthrene	ND		170	25	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Phenol	ND		170	26	ug/Kg		05/02/18 07:03	05/03/18 21:19	1
Pyrene	ND		170	20	ug/Kg		05/02/18 07:03	05/03/18 21:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*54 - 120*	*05/02/18 07:03*	*05/03/18 21:19*	*1*
2-Fluorobiphenyl	*88*		*60 - 120*	*05/02/18 07:03*	*05/03/18 21:19*	*1*
2-Fluorophenol	*80*		*52 - 120*	*05/02/18 07:03*	*05/03/18 21:19*	*1*
Nitrobenzene-d5	*88*		*53 - 120*	*05/02/18 07:03*	*05/03/18 21:19*	*1*
p-Terphenyl-d14	*106*		*65 - 121*	*05/02/18 07:03*	*05/03/18 21:19*	*1*
Phenol-d5	*83*		*54 - 120*	*05/02/18 07:03*	*05/03/18 21:19*	*1*

Lab Sample ID: LCS 480-411993/2-A
Matrix: Solid
Analysis Batch: 412413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	1650	1320		ug/Kg		80	59 - 120
bis (2-chloroisopropyl) ether	1650	1050		ug/Kg		63	44 - 120
2,4-Dichlorophenol	1650	1340		ug/Kg		81	61 - 120
2,4-Dimethylphenol	1650	1380		ug/Kg		83	59 - 120
2,4-Dinitrophenol	3300	2500		ug/Kg		76	41 - 146

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-411993/2-A
Matrix: Solid
Analysis Batch: 412413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1650	1540		ug/Kg		93	63 - 120
2,6-Dinitrotoluene	1650	1520		ug/Kg		92	66 - 120
2-Chloronaphthalene	1650	1280		ug/Kg		78	57 - 120
2-Chlorophenol	1650	1200		ug/Kg		73	53 - 120
2,4,5-Trichlorophenol	1650	1320		ug/Kg		80	59 - 126
2-Methylnaphthalene	1650	1330		ug/Kg		81	59 - 120
2,4,6-Trichlorophenol	1650	1310		ug/Kg		80	59 - 123
2-Methylphenol	1650	1260		ug/Kg		76	54 - 120
2-Nitroaniline	1650	1450		ug/Kg		88	61 - 120
2-Nitrophenol	1650	1310		ug/Kg		80	56 - 120
3,3'-Dichlorobenzidine	3300	2980		ug/Kg		90	54 - 120
3-Nitroaniline	1650	1380		ug/Kg		83	48 - 120
4,6-Dinitro-2-methylphenol	3300	2860		ug/Kg		87	49 - 122
4-Bromophenyl phenyl ether	1650	1380		ug/Kg		84	58 - 120
4-Chloro-3-methylphenol	1650	1470		ug/Kg		89	61 - 120
4-Chloroaniline	1650	1170		ug/Kg		71	38 - 120
4-Chlorophenyl phenyl ether	1650	1330		ug/Kg		80	63 - 124
4-Methylphenol	1650	1330		ug/Kg		81	55 - 120
4-Nitroaniline	1650	1510		ug/Kg		92	56 - 120
4-Nitrophenol	3300	3340		ug/Kg		101	43 - 147
Acenaphthene	1650	1330		ug/Kg		81	62 - 120
Acenaphthylene	1650	1350		ug/Kg		82	58 - 121
Acetophenone	1650	1320		ug/Kg		80	54 - 120
Anthracene	1650	1530		ug/Kg		93	62 - 120
Atrazine	3300	3530		ug/Kg		107	60 - 127
Benzaldehyde	3300	1450		ug/Kg		44	10 - 150
Benzo[a]anthracene	1650	1700		ug/Kg		103	65 - 120
Benzo[a]pyrene	1650	1680		ug/Kg		102	64 - 120
Benzo[b]fluoranthene	1650	1820		ug/Kg		110	64 - 120
Benzo[g,h,i]perylene	1650	1660		ug/Kg		100	45 - 145
Benzo[k]fluoranthene	1650	1540		ug/Kg		93	65 - 120
Bis(2-chloroethoxy)methane	1650	1310		ug/Kg		79	55 - 120
Bis(2-chloroethyl)ether	1650	1210		ug/Kg		74	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1750		ug/Kg		106	61 - 133
Butyl benzyl phthalate	1650	1780		ug/Kg		108	61 - 129
Caprolactam	3300	3260		ug/Kg		99	47 - 120
Carbazole	1650	1610		ug/Kg		98	65 - 120
Chrysene	1650	1750		ug/Kg		106	64 - 120
Di-n-butyl phthalate	1650	1780		ug/Kg		108	58 - 130
Di-n-octyl phthalate	1650	1820		ug/Kg		110	57 - 133
Dibenz(a,h)anthracene	1650	1700		ug/Kg		103	54 - 132
Dibenzofuran	1650	1380		ug/Kg		84	63 - 120
Diethyl phthalate	1650	1580		ug/Kg		96	66 - 120
Dimethyl phthalate	1650	1490		ug/Kg		90	65 - 124
Fluoranthene	1650	1640		ug/Kg		99	62 - 120
Fluorene	1650	1430		ug/Kg		87	63 - 120
Hexachlorobenzene	1650	1450		ug/Kg		88	60 - 120
Hexachlorobutadiene	1650	1240		ug/Kg		75	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-411993/2-A
Matrix: Solid
Analysis Batch: 412413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	1650	1180		ug/Kg		72	47 - 120
Hexachloroethane	1650	1150		ug/Kg		70	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1660		ug/Kg		101	56 - 134
Isophorone	1650	1370		ug/Kg		83	56 - 120
N-Nitrosodi-n-propylamine	1650	1280		ug/Kg		78	52 - 120
Naphthalene	1650	1260		ug/Kg		76	55 - 120
Nitrobenzene	1650	1260		ug/Kg		76	54 - 120
Pentachlorophenol	3300	2730		ug/Kg		83	51 - 120
Phenanthrene	1650	1560		ug/Kg		95	60 - 120
Phenol	1650	1260		ug/Kg		76	53 - 120
Pyrene	1650	1770		ug/Kg		107	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*93*		*54 - 120*
2-Fluorobiphenyl	*76*		*60 - 120*
2-Fluorophenol	*69*		*52 - 120*
Nitrobenzene-d5	*78*		*53 - 120*
p-Terphenyl-d14	*107*		*65 - 121*
Phenol-d5	*75*		*54 - 120*

Lab Sample ID: MB 480-412129/1-A
Matrix: Solid
Analysis Batch: 412361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 412129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		05/02/18 14:55	05/03/18 18:33	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		05/02/18 14:55	05/03/18 18:33	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		05/02/18 14:55	05/03/18 18:33	1
Pyridine	ND		0.0063	0.00010	mg/L		05/02/18 14:55	05/03/18 18:33	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		05/02/18 14:55	05/03/18 18:33	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		05/02/18 14:55	05/03/18 18:33	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		05/02/18 14:55	05/03/18 18:33	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		05/02/18 14:55	05/03/18 18:33	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		05/02/18 14:55	05/03/18 18:33	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		05/02/18 14:55	05/03/18 18:33	1
Hexachloroethane	ND		0.0013	0.00015	mg/L		05/02/18 14:55	05/03/18 18:33	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		05/02/18 14:55	05/03/18 18:33	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		05/02/18 14:55	05/03/18 18:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*41 - 120*	*05/02/18 14:55*	*05/03/18 18:33*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*05/02/18 14:55*	*05/03/18 18:33*	*1*
2-Fluorophenol	*48*		*35 - 120*	*05/02/18 14:55*	*05/03/18 18:33*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*05/02/18 14:55*	*05/03/18 18:33*	*1*
p-Terphenyl-d14	*111*		*59 - 136*	*05/02/18 14:55*	*05/03/18 18:33*	*1*
Phenol-d5	*33*		*22 - 120*	*05/02/18 14:55*	*05/03/18 18:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-412129/2-A
Matrix: Solid
Analysis Batch: 412361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 412129

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene			0.0500	0.0285		mg/L		57	51 - 120		
3-Methylphenol			0.0500	0.0303		mg/L		61	39 - 120		
2,4-Dinitrotoluene			0.0500	0.0475		mg/L		95	69 - 120		
Pyridine			0.100	0.0405		mg/L		41	10 - 120		
2,4,5-Trichlorophenol			0.0500	0.0458		mg/L		92	65 - 126		
2,4,6-Trichlorophenol			0.0500	0.0474		mg/L		95	64 - 120		
2-Methylphenol			0.0500	0.0322		mg/L		64	39 - 120		
4-Methylphenol			0.0500	0.0303		mg/L		61	29 - 131		
Hexachlorobenzene			0.0500	0.0488		mg/L		98	61 - 120		
Hexachlorobutadiene			0.0500	0.0321		mg/L		64	35 - 120		
Hexachloroethane			0.0500	0.0264		mg/L		53	43 - 120		
Nitrobenzene			0.0500	0.0407		mg/L		81	53 - 123		
Pentachlorophenol			0.100	0.0807		mg/L		81	29 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*100*		*41 - 120*
2-Fluorobiphenyl	*86*		*48 - 120*
2-Fluorophenol	*44*		*35 - 120*
Nitrobenzene-d5	*82*		*46 - 120*
p-Terphenyl-d14	*100*		*59 - 136*
Phenol-d5	*30*		*22 - 120*

Lab Sample ID: LCSD 480-412129/3-A
Matrix: Solid
Analysis Batch: 412361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 412129

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0500	0.0282		mg/L		56	51 - 120	1	36
3-Methylphenol			0.0500	0.0299		mg/L		60	39 - 120	1	30
2,4-Dinitrotoluene			0.0500	0.0493		mg/L		99	69 - 120	4	20
Pyridine			0.100	0.0432		mg/L		43	10 - 120	6	49
2,4,5-Trichlorophenol			0.0500	0.0476		mg/L		95	65 - 126	4	18
2,4,6-Trichlorophenol			0.0500	0.0448		mg/L		90	64 - 120	6	19
2-Methylphenol			0.0500	0.0311		mg/L		62	39 - 120	3	27
4-Methylphenol			0.0500	0.0299		mg/L		60	29 - 131	1	24
Hexachlorobenzene			0.0500	0.0424		mg/L		85	61 - 120	14	15
Hexachlorobutadiene			0.0500	0.0308		mg/L		62	35 - 120	4	44
Hexachloroethane			0.0500	0.0263		mg/L		53	43 - 120	0	46
Nitrobenzene			0.0500	0.0376		mg/L		75	53 - 123	8	24
Pentachlorophenol			0.100	0.0766		mg/L		77	29 - 136	5	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*41 - 120*
2-Fluorobiphenyl	*84*		*48 - 120*
2-Fluorophenol	*43*		*35 - 120*
Nitrobenzene-d5	*77*		*46 - 120*
p-Terphenyl-d14	*100*		*59 - 136*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-412129/3-A
Matrix: Solid
Analysis Batch: 412361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 412129

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5	*30*		*22 - 120*

Lab Sample ID: LB 480-411629/1-D
Matrix: Solid
Analysis Batch: 412361

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 412129

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/02/18 14:55	05/03/18 19:56	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/02/18 14:55	05/03/18 19:56	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/02/18 14:55	05/03/18 19:56	1
Pyridine	ND		0.025	0.00041	mg/L		05/02/18 14:55	05/03/18 19:56	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/02/18 14:55	05/03/18 19:56	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/02/18 14:55	05/03/18 19:56	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/02/18 14:55	05/03/18 19:56	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/02/18 14:55	05/03/18 19:56	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/02/18 14:55	05/03/18 19:56	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/02/18 14:55	05/03/18 19:56	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/02/18 14:55	05/03/18 19:56	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/02/18 14:55	05/03/18 19:56	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/02/18 14:55	05/03/18 19:56	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	*87*		*41 - 120*	*05/02/18 14:55*	*05/03/18 19:56*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*05/02/18 14:55*	*05/03/18 19:56*	*1*
2-Fluorophenol	*44*		*35 - 120*	*05/02/18 14:55*	*05/03/18 19:56*	*1*
Nitrobenzene-d5	*81*		*46 - 120*	*05/02/18 14:55*	*05/03/18 19:56*	*1*
p-Terphenyl-d14	*104*		*59 - 136*	*05/02/18 14:55*	*05/03/18 19:56*	*1*
Phenol-d5	*32*		*22 - 120*	*05/02/18 14:55*	*05/03/18 19:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-410453/1-A
Matrix: Solid
Analysis Batch: 410968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Aldrin	ND		1.6	0.40	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
alpha-BHC	ND		1.6	0.29	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
cis-Chlordane	ND		1.6	0.81	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
beta-BHC	ND		1.6	0.29	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
delta-BHC	ND		1.6	0.30	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Dieldrin	ND		1.6	0.39	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endosulfan I	ND		1.6	0.31	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endosulfan II	ND		1.6	0.29	ug/Kg		04/24/18 07:51	04/26/18 11:19	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-410453/1-A
Matrix: Solid
Analysis Batch: 410968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		1.6	0.30	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endrin	ND		1.6	0.32	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Endrin ketone	ND		1.6	0.40	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
gamma-BHC (Lindane)	ND		1.6	0.30	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
trans-Chlordane	ND		1.6	0.52	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Heptachlor	ND		1.6	0.35	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Methoxychlor	ND		1.6	0.33	ug/Kg		04/24/18 07:51	04/26/18 11:19	1
Toxaphene	ND		16	9.5	ug/Kg		04/24/18 07:51	04/26/18 11:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*45 - 120*	*04/24/18 07:51*	*04/26/18 11:19*	*1*
Tetrachloro-m-xylene	*54*		*30 - 124*	*04/24/18 07:51*	*04/26/18 11:19*	*1*

Lab Sample ID: LCS 480-410453/2-A
Matrix: Solid
Analysis Batch: 410968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	11.9		ug/Kg		73	56 - 120
4,4'-DDE	16.4	11.4		ug/Kg		70	44 - 120
4,4'-DDT	16.4	12.5		ug/Kg		76	38 - 120
Aldrin	16.4	8.25		ug/Kg		50	38 - 120
alpha-BHC	16.4	9.77		ug/Kg		60	39 - 120
cis-Chlordane	16.4	11.6		ug/Kg		71	47 - 120
beta-BHC	16.4	10.1		ug/Kg		62	40 - 120
delta-BHC	16.4	9.62		ug/Kg		59	45 - 120
Dieldrin	16.4	12.0		ug/Kg		73	58 - 120
Endosulfan I	16.4	11.4		ug/Kg		69	49 - 120
Endosulfan II	16.4	11.1		ug/Kg		68	55 - 120
Endosulfan sulfate	16.4	10.2		ug/Kg		62	49 - 124
Endrin	16.4	11.8		ug/Kg		72	58 - 120
Endrin aldehyde	16.4	9.63		ug/Kg		59	37 - 121
Endrin ketone	16.4	11.3		ug/Kg		69	46 - 123
gamma-BHC (Lindane)	16.4	10.4		ug/Kg		63	50 - 120
trans-Chlordane	16.4	11.3		ug/Kg		69	48 - 120
Heptachlor	16.4	11.4		ug/Kg		70	50 - 120
Heptachlor epoxide	16.4	9.82		ug/Kg		60	50 - 120
Methoxychlor	16.4	12.1		ug/Kg		73	58 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*45 - 120*
Tetrachloro-m-xylene	*53*		*30 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-411220/1-A
Matrix: Solid
Analysis Batch: 411578

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411220

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1221	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1232	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1242	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1248	ND		0.19	0.037	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1254	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1260	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1262	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1
PCB-1268	ND		0.19	0.089	mg/Kg		04/27/18 07:20	04/30/18 20:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*04/27/18 07:20*	*04/30/18 20:09*	*1*
DCB Decachlorobiphenyl	*106*		*65 - 174*	*04/27/18 07:20*	*04/30/18 20:09*	*1*

Lab Sample ID: LCS 480-411220/2-A
Matrix: Solid
Analysis Batch: 411578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411220

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.89	2.62		mg/Kg		139	51 - 185
PCB-1260	1.89	2.86		mg/Kg		152	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*128*		*60 - 154*
DCB Decachlorobiphenyl	*124*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-410124/1-A
Matrix: Solid
Analysis Batch: 410498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7	4.3	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Antimony	ND		14.6	0.39	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Arsenic	ND		1.9	0.39	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Barium	ND		0.49	0.11	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Beryllium	ND		0.19	0.027	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Cadmium	ND		0.19	0.029	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Calcium	5.02	J	48.5	3.2	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Chromium	0.265	J	0.49	0.19	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Cobalt	ND		0.49	0.049	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Copper	ND		0.97	0.20	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Iron	3.40	J	9.7	3.4	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Lead	ND		0.97	0.23	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Magnesium	ND		19.4	0.90	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Manganese	ND		0.19	0.031	mg/Kg		04/21/18 11:57	04/24/18 04:26	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-410124/1-A
Matrix: Solid
Analysis Batch: 410498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		4.9	0.22	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Potassium	ND		29.1	19.4	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Selenium	ND		3.9	0.39	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Silver	ND		0.58	0.19	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Sodium	ND		136	12.6	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Thallium	ND		5.8	0.29	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Vanadium	ND		0.49	0.11	mg/Kg		04/21/18 11:57	04/24/18 04:26	1
Zinc	ND		1.9	0.62	mg/Kg		04/21/18 11:57	04/24/18 04:26	1

Lab Sample ID: LCSSRM 480-410124/2-A
Matrix: Solid
Analysis Batch: 410498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410124

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8040	9695		mg/Kg		120.5	39.4 - 160.4
Antimony	91.4	86.39		mg/Kg		94.5	25.1 - 275.7
Arsenic	146	119.3		mg/Kg		81.7	69.9 - 132.9
Barium	102	96.12		mg/Kg		94.2	71.5 - 136.3
Beryllium	134	107.0		mg/Kg		79.8	75.4 - 138.1
Cadmium	63.2	49.31		mg/Kg		78.0	73.3 - 141.5
Calcium	5930	4958		mg/Kg		83.6	73.7 - 136.1
Chromium	89.3	80.06		mg/Kg		89.6	69.1 - 143.3
Cobalt	119	124.3		mg/Kg		104.4	74.6 - 142.0
Copper	60.8	51.61		mg/Kg		84.9	72.7 - 141.6
Iron	14400	17020		mg/Kg		118.2	35.6 - 163.9
Lead	98.5	105.3		mg/Kg		106.8	70.8 - 137.1
Magnesium	2580	2289		mg/Kg		88.7	63.6 - 136.0
Manganese	370	324.9		mg/Kg		87.8	75.7 - 134.3
Nickel	66.6	68.88		mg/Kg		103.4	70.7 - 146.2
Potassium	2340	2865		mg/Kg		122.4	59.8 - 140.2
Selenium	136	108.2		mg/Kg		79.5	67.1 - 136.8
Silver	48.9	39.29		mg/Kg		80.3	66.5 - 139.5
Sodium	318	327.5		mg/Kg		103.0	40.6 - 159.7

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-410124/2-A
Matrix: Solid
Analysis Batch: 410498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410124

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	138	137.3		mg/Kg		99.5	68.0 - 136.2
Vanadium	69.7	73.47		mg/Kg		105.4	58.7 - 141.3
Zinc	177	137.4		mg/Kg		77.6	69.5 - 131.1

Lab Sample ID: MB 480-411807/2-A
Matrix: Solid
Analysis Batch: 412567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 22:31	1
Barium	ND		1.0	0.10	mg/L		05/01/18 10:12	05/01/18 22:31	1
Cadmium	ND		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 22:31	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 22:31	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 22:31	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 22:31	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 22:31	1

Lab Sample ID: LCS 480-411807/3-A
Matrix: Solid
Analysis Batch: 412567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.00		mg/L		100	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.00		mg/L		100	80 - 120
Lead	1.00	0.980		mg/L		98	80 - 120
Selenium	1.00	1.05		mg/L		105	80 - 120
Silver	1.00	0.988		mg/L		99	80 - 120

Lab Sample ID: LB 480-411629/1-B
Matrix: Solid
Analysis Batch: 412567

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 411807

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/01/18 10:12	05/01/18 22:27	1
Barium	ND		1.0	0.10	mg/L		05/01/18 10:12	05/01/18 22:27	1
Cadmium	ND		0.0020	0.00050	mg/L		05/01/18 10:12	05/01/18 22:27	1
Chromium	ND		0.020	0.010	mg/L		05/01/18 10:12	05/01/18 22:27	1
Lead	ND		0.020	0.0030	mg/L		05/01/18 10:12	05/01/18 22:27	1
Selenium	ND		0.025	0.0087	mg/L		05/01/18 10:12	05/01/18 22:27	1
Silver	ND		0.0060	0.0017	mg/L		05/01/18 10:12	05/01/18 22:27	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-134628-1 MS
Matrix: Solid
Analysis Batch: 412567

Client Sample ID: NE-SE BERM-042018
Prep Type: TCLP
Prep Batch: 411807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.09		mg/L		109	75 - 125
Barium	0.46	J	1.00	1.47		mg/L		100	75 - 125
Cadmium	0.0035		1.00	1.09		mg/L		109	75 - 125
Chromium	ND		1.00	0.950		mg/L		95	75 - 125
Lead	0.037		1.00	1.05		mg/L		101	75 - 125
Selenium	ND		1.00	1.12		mg/L		112	75 - 125
Silver	ND		1.00	1.08		mg/L		108	75 - 125

Lab Sample ID: 480-134628-1 MSD
Matrix: Solid
Analysis Batch: 412567

Client Sample ID: NE-SE BERM-042018
Prep Type: TCLP
Prep Batch: 411807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.08		mg/L		108	75 - 125	1	20
Barium	0.46	J	1.00	1.45		mg/L		98	75 - 125	1	20
Cadmium	0.0035		1.00	1.08		mg/L		108	75 - 125	1	20
Chromium	ND		1.00	0.934		mg/L		93	75 - 125	2	20
Lead	0.037		1.00	1.03		mg/L		100	75 - 125	2	20
Selenium	ND		1.00	1.11		mg/L		111	75 - 125	1	20
Silver	ND		1.00	1.06		mg/L		106	75 - 125	2	20

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-411863/2-A
Matrix: Solid
Analysis Batch: 412067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:11	1

Lab Sample ID: LCS 480-411863/3-A
Matrix: Solid
Analysis Batch: 412067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00623		mg/L		93	80 - 120

Lab Sample ID: LB 480-411629/1-C
Matrix: Solid
Analysis Batch: 412067

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 411863

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/01/18 13:35	05/01/18 20:09	1

Method: 7470A - TCLP Mercury (Continued)

Lab Sample ID: 480-134628-1 MS
Matrix: Solid
Analysis Batch: 412067

Client Sample ID: NE-SE BERM-042018
Prep Type: TCLP
Prep Batch: 411863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00600		mg/L		90	80 - 120

Lab Sample ID: 480-134628-1 MSD
Matrix: Solid
Analysis Batch: 412067

Client Sample ID: NE-SE BERM-042018
Prep Type: TCLP
Prep Batch: 411863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00600		mg/L		90	80 - 120	0	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-411938/1-A
Matrix: Solid
Analysis Batch: 412200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0082	mg/Kg		05/02/18 15:10	05/02/18 16:37	1

Lab Sample ID: LCSSRM 480-411938/2-A ^10
Matrix: Solid
Analysis Batch: 412200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411938

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	13.3	13.20		mg/Kg		99.3	51.2 - 148.1

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-411934/1
Matrix: Solid
Analysis Batch: 411934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-411671/1-A
Matrix: Solid
Analysis Batch: 411713

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/Kg		04/30/18 05:03	04/30/18 16:38	1

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 480-411671/2-A
Matrix: Solid
Analysis Batch: 411713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	ND		mg/Kg		22	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-411676/1-A
Matrix: Solid
Analysis Batch: 411721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 411676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/Kg		04/30/18 05:03	04/30/18 15:45	1

Lab Sample ID: LCS 480-411676/2-A
Matrix: Solid
Analysis Batch: 411721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 411676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	860	801.5		mg/Kg		93	10 - 100

Method: 9045D - pH

Lab Sample ID: LCS 480-410913/1
Matrix: Solid
Analysis Batch: 410913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: LCS 480-410915/1
Matrix: Solid
Analysis Batch: 410915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	10.0	10.0		SU		100	99 - 101

Lab Sample ID: 480-134628-1 DU
Matrix: Solid
Analysis Batch: 410915

Client Sample ID: NE-SE BERM-042018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	10.5	HF	10.5		SU		0.4	5
Temperature	25.5	HF	25.5		Degrees C		0	10

Method: 9095B - Paint Filter

Lab Sample ID: 480-134628-3 DU
Matrix: Solid
Analysis Batch: 410886

Client Sample ID: NW-SW-BERM-042018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	passed			passed		mL/100g				NC	

GC/MS VOA

Prep Batch: 410288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-8	E-BERM-042018	Total/NA	Solid	5035A_L	
480-134628-10	W-BERM-042018	Total/NA	Solid	5035A_L	
480-134628-12	X-2-042018	Total/NA	Solid	5035A_L	
MB 480-410288/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-410288/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-134628-12 MS	X-2-042018	Total/NA	Solid	5035A_L	
480-134628-12 MSD	X-2-042018	Total/NA	Solid	5035A_L	

Analysis Batch: 410294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-8	E-BERM-042018	Total/NA	Solid	8260C	410288
480-134628-10	W-BERM-042018	Total/NA	Solid	8260C	410288
480-134628-12	X-2-042018	Total/NA	Solid	8260C	410288
MB 480-410288/2-A	Method Blank	Total/NA	Solid	8260C	410288
LCS 480-410288/1-A	Lab Control Sample	Total/NA	Solid	8260C	410288
480-134628-12 MS	X-2-042018	Total/NA	Solid	8260C	410288
480-134628-12 MSD	X-2-042018	Total/NA	Solid	8260C	410288

Leach Batch: 411593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-7	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-9	NW-SW-BERM-042018	TCLP	Solid	1311	
480-134628-11	X-1-042018	TCLP	Solid	1311	
LB 480-411593/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 412741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-411593/1-A	Method Blank	TCLP	Solid	8260C	411593
MB 480-412741/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-412741/5	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 413229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-7	NE-SE BERM-042018	TCLP	Solid	8260C	411593
480-134628-9	NW-SW-BERM-042018	TCLP	Solid	8260C	411593
480-134628-11	X-1-042018	TCLP	Solid	8260C	411593
MB 480-413229/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-413229/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 411629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	1311	
480-134628-5	X-1-042018	TCLP	Solid	1311	
LB 480-411629/1-D	Method Blank	TCLP	Solid	1311	

GC/MS Semi VOA (Continued)

Prep Batch: 411993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3550C	
480-134628-4	W-BERM-042018	Total/NA	Solid	3550C	
480-134628-6	X-2-042018	Total/NA	Solid	3550C	
MB 480-411993/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-411993/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 412129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	3510C	411629
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	3510C	411629
480-134628-5	X-1-042018	TCLP	Solid	3510C	411629
LB 480-411629/1-D	Method Blank	TCLP	Solid	3510C	411629
MB 480-412129/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-412129/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-412129/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 412361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	8270D	412129
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	8270D	412129
480-134628-5	X-1-042018	TCLP	Solid	8270D	412129
LB 480-411629/1-D	Method Blank	TCLP	Solid	8270D	412129
MB 480-412129/1-A	Method Blank	Total/NA	Solid	8270D	412129
LCS 480-412129/2-A	Lab Control Sample	Total/NA	Solid	8270D	412129
LCSD 480-412129/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	412129

Analysis Batch: 412413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	8270D	411993
480-134628-4	W-BERM-042018	Total/NA	Solid	8270D	411993
480-134628-6	X-2-042018	Total/NA	Solid	8270D	411993
MB 480-411993/1-A	Method Blank	Total/NA	Solid	8270D	411993
LCS 480-411993/2-A	Lab Control Sample	Total/NA	Solid	8270D	411993

GC Semi VOA

Prep Batch: 410453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3550C	
480-134628-4	W-BERM-042018	Total/NA	Solid	3550C	
480-134628-6	X-2-042018	Total/NA	Solid	3550C	
MB 480-410453/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-410453/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 410968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	8081B	410453
480-134628-4	W-BERM-042018	Total/NA	Solid	8081B	410453
480-134628-6	X-2-042018	Total/NA	Solid	8081B	410453
MB 480-410453/1-A	Method Blank	Total/NA	Solid	8081B	410453

GC Semi VOA (Continued)

Analysis Batch: 410968 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-410453/2-A	Lab Control Sample	Total/NA	Solid	8081B	410453

Prep Batch: 411220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3550C	
480-134628-4	W-BERM-042018	Total/NA	Solid	3550C	
480-134628-6	X-2-042018	Total/NA	Solid	3550C	
MB 480-411220/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-411220/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 411578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	8082A	411220
480-134628-4	W-BERM-042018	Total/NA	Solid	8082A	411220
480-134628-6	X-2-042018	Total/NA	Solid	8082A	411220
MB 480-411220/1-A	Method Blank	Total/NA	Solid	8082A	411220
LCS 480-411220/2-A	Lab Control Sample	Total/NA	Solid	8082A	411220

Metals

Prep Batch: 410124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	3050B	
480-134628-4	W-BERM-042018	Total/NA	Solid	3050B	
480-134628-6	X-2-042018	Total/NA	Solid	3050B	
MB 480-410124/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-410124/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 410498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-410124/1-A	Method Blank	Total/NA	Solid	6010C	410124
LCSSRM 480-410124/2-A	Lab Control Sample	Total/NA	Solid	6010C	410124

Analysis Batch: 410722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	6010C	410124
480-134628-2	E-BERM-042018	Total/NA	Solid	6010C	410124
480-134628-4	W-BERM-042018	Total/NA	Solid	6010C	410124
480-134628-6	X-2-042018	Total/NA	Solid	6010C	410124

Analysis Batch: 410770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-6	X-2-042018	Total/NA	Solid	6010C	410124

Leach Batch: 411629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	1311	
480-134628-5	X-1-042018	TCLP	Solid	1311	
LB 480-411629/1-B	Method Blank	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 411629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-411629/1-C	Method Blank	TCLP	Solid	1311	
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	1311	
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	1311	

Prep Batch: 411807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	3010A	411629
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	3010A	411629
480-134628-5	X-1-042018	TCLP	Solid	3010A	411629
LB 480-411629/1-B	Method Blank	TCLP	Solid	3010A	411629
MB 480-411807/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-411807/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	3010A	411629
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	3010A	411629

Prep Batch: 411863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	7470A	411629
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	7470A	411629
480-134628-5	X-1-042018	TCLP	Solid	7470A	411629
LB 480-411629/1-C	Method Blank	TCLP	Solid	7470A	411629
MB 480-411863/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-411863/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	7470A	411629
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	7470A	411629

Prep Batch: 411938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	7471B	
480-134628-4	W-BERM-042018	Total/NA	Solid	7471B	
480-134628-6	X-2-042018	Total/NA	Solid	7471B	
MB 480-411938/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-411938/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 412067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	7470A	411863
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	7470A	411863
480-134628-5	X-1-042018	TCLP	Solid	7470A	411863
LB 480-411629/1-C	Method Blank	TCLP	Solid	7470A	411863
MB 480-411863/2-A	Method Blank	Total/NA	Solid	7470A	411863
LCS 480-411863/3-A	Lab Control Sample	Total/NA	Solid	7470A	411863
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	7470A	411863
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	7470A	411863

Analysis Batch: 412200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	7471B	411938
480-134628-4	W-BERM-042018	Total/NA	Solid	7471B	411938
480-134628-6	X-2-042018	Total/NA	Solid	7471B	411938
MB 480-411938/1-A	Method Blank	Total/NA	Solid	7471B	411938

Metals (Continued)

Analysis Batch: 412200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-411938/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	411938

Analysis Batch: 412567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	TCLP	Solid	6010C	411807
480-134628-3	NW-SW-BERM-042018	TCLP	Solid	6010C	411807
480-134628-5	X-1-042018	TCLP	Solid	6010C	411807
LB 480-411629/1-B	Method Blank	TCLP	Solid	6010C	411807
MB 480-411807/2-A	Method Blank	Total/NA	Solid	6010C	411807
LCS 480-411807/3-A	Lab Control Sample	Total/NA	Solid	6010C	411807
480-134628-1 MS	NE-SE BERM-042018	TCLP	Solid	6010C	411807
480-134628-1 MSD	NE-SE BERM-042018	TCLP	Solid	6010C	411807

General Chemistry

Analysis Batch: 410104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-2	E-BERM-042018	Total/NA	Solid	Moisture	
480-134628-4	W-BERM-042018	Total/NA	Solid	Moisture	
480-134628-6	X-2-042018	Total/NA	Solid	Moisture	

Analysis Batch: 410886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9095B	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9095B	
480-134628-5	X-1-042018	Total/NA	Solid	9095B	
480-134628-3 DU	NW-SW-BERM-042018	Total/NA	Solid	9095B	

Analysis Batch: 410913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9045D	
480-134628-5	X-1-042018	Total/NA	Solid	9045D	
LCS 480-410913/1	Lab Control Sample	Total/NA	Solid	9045D	

Analysis Batch: 410915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9045D	
LCS 480-410915/1	Lab Control Sample	Total/NA	Solid	9045D	
480-134628-1 DU	NE-SE BERM-042018	Total/NA	Solid	9045D	

Prep Batch: 411671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	7.3.3	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	7.3.3	
480-134628-5	X-1-042018	Total/NA	Solid	7.3.3	
MB 480-411671/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-411671/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

General Chemistry (Continued)

Prep Batch: 411676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	7.3.4	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	7.3.4	
480-134628-5	X-1-042018	Total/NA	Solid	7.3.4	
MB 480-411676/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-411676/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 411713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9012	411671
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9012	411671
480-134628-5	X-1-042018	Total/NA	Solid	9012	411671
MB 480-411671/1-A	Method Blank	Total/NA	Solid	9012	411671
LCS 480-411671/2-A	Lab Control Sample	Total/NA	Solid	9012	411671

Analysis Batch: 411721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	9034	411676
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	9034	411676
480-134628-5	X-1-042018	Total/NA	Solid	9034	411676
MB 480-411676/1-A	Method Blank	Total/NA	Solid	9034	411676
LCS 480-411676/2-A	Lab Control Sample	Total/NA	Solid	9034	411676

Analysis Batch: 411934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-1	NE-SE BERM-042018	Total/NA	Solid	1010A	
480-134628-3	NW-SW-BERM-042018	Total/NA	Solid	1010A	
480-134628-5	X-1-042018	Total/NA	Solid	1010A	
LCS 480-411934/1	Lab Control Sample	Total/NA	Solid	1010A	

Analysis Batch: 412609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134628-8	E-BERM-042018	Total/NA	Solid	Moisture	
480-134628-10	W-BERM-042018	Total/NA	Solid	Moisture	
480-134628-12	X-2-042018	Total/NA	Solid	Moisture	

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-1

Date Collected: 04/20/18 09:30

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3510C			412129	05/02/18 14:55	ATG	TAL BUF
TCLP	Analysis	8270D		1	412361	05/03/18 20:51	PJQ	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3010A			411807	05/01/18 10:12	EMB	TAL BUF
TCLP	Analysis	6010C		1	412567	05/01/18 22:39	LMH	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	7470A			411863	05/01/18 13:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	412067	05/01/18 20:14	BMB	TAL BUF
Total/NA	Analysis	1010A		1	411934	05/01/18 09:30	AED	TAL BUF
Total/NA	Prep	7.3.3			411671	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9012		1	411713	04/30/18 16:38	MDL	TAL BUF
Total/NA	Prep	7.3.4			411676	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9034		1	411721	04/30/18 15:45	MDL	TAL BUF
Total/NA	Analysis	9045D		1	410915	04/25/18 17:57	ALZ	TAL BUF
Total/NA	Analysis	9095B		1	410886	04/25/18 15:22	ALZ	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	410104	04/21/18 08:45	CSW	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-2

Date Collected: 04/20/18 10:15

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			411993	05/02/18 07:03	CAM	TAL BUF
Total/NA	Analysis	8270D		20	412413	05/04/18 01:21	MKP	TAL BUF
Total/NA	Prep	3550C			410453	04/24/18 07:51	SMP	TAL BUF
Total/NA	Analysis	8081B		50	410968	04/26/18 13:57	JLS	TAL BUF
Total/NA	Prep	3550C			411220	04/27/18 07:20	SMP	TAL BUF
Total/NA	Analysis	8082A		1	411578	04/30/18 21:26	W1T	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		1	410722	04/24/18 11:42	LMH	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		5	410722	04/24/18 11:46	LMH	TAL BUF
Total/NA	Prep	7471B			411938	05/02/18 15:10	BMB	TAL BUF
Total/NA	Analysis	7471B		1	412200	05/02/18 16:43	BMB	TAL BUF

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-3

Date Collected: 04/20/18 10:30

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3510C			412129	05/02/18 14:55	ATG	TAL BUF
TCLP	Analysis	8270D		1	412361	05/03/18 21:19	PJQ	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3010A			411807	05/01/18 10:12	EMB	TAL BUF
TCLP	Analysis	6010C		1	412567	05/01/18 23:10	LMH	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	7470A			411863	05/01/18 13:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	412067	05/01/18 20:22	BMB	TAL BUF
Total/NA	Analysis	1010A		1	411934	05/01/18 09:30	AED	TAL BUF
Total/NA	Prep	7.3.3			411671	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9012		1	411713	04/30/18 16:38	MDL	TAL BUF
Total/NA	Prep	7.3.4			411676	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9034		1	411721	04/30/18 15:45	MDL	TAL BUF
Total/NA	Analysis	9045D		1	410913	04/25/18 14:13	ALZ	TAL BUF
Total/NA	Analysis	9095B		1	410886	04/25/18 15:22	ALZ	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	410104	04/21/18 08:45	CSW	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-4

Date Collected: 04/20/18 11:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			411993	05/02/18 07:03	CAM	TAL BUF
Total/NA	Analysis	8270D		10	412413	05/04/18 01:48	MKP	TAL BUF
Total/NA	Prep	3550C			410453	04/24/18 07:51	SMP	TAL BUF
Total/NA	Analysis	8081B		50	410968	04/26/18 14:16	JLS	TAL BUF
Total/NA	Prep	3550C			411220	04/27/18 07:20	SMP	TAL BUF
Total/NA	Analysis	8082A		1	411578	04/30/18 21:41	W1T	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		1	410722	04/24/18 11:50	LMH	TAL BUF
Total/NA	Prep	7471B			411938	05/02/18 15:10	BMB	TAL BUF
Total/NA	Analysis	7471B		1	412200	05/02/18 16:45	BMB	TAL BUF

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-5

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3510C			412129	05/02/18 14:55	ATG	TAL BUF
TCLP	Analysis	8270D		1	412361	05/03/18 21:46	PJQ	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	3010A			411807	05/01/18 10:12	EMB	TAL BUF
TCLP	Analysis	6010C		1	412567	05/01/18 23:14	LMH	TAL BUF
TCLP	Leach	1311			411629	04/30/18 11:22	RLT	TAL BUF
TCLP	Prep	7470A			411863	05/01/18 13:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	412067	05/01/18 20:24	BMB	TAL BUF
Total/NA	Analysis	1010A		1	411934	05/01/18 09:30	AED	TAL BUF
Total/NA	Prep	7.3.3			411671	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9012		1	411713	04/30/18 16:38	MDL	TAL BUF
Total/NA	Prep	7.3.4			411676	04/30/18 05:03	LAW	TAL BUF
Total/NA	Analysis	9034		1	411721	04/30/18 15:45	MDL	TAL BUF
Total/NA	Analysis	9045D		1	410913	04/25/18 14:13	ALZ	TAL BUF
Total/NA	Analysis	9095B		1	410886	04/25/18 15:22	ALZ	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	410104	04/21/18 08:45	CSW	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-6

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			411993	05/02/18 07:03	CAM	TAL BUF
Total/NA	Analysis	8270D		10	412413	05/04/18 02:14	MKP	TAL BUF
Total/NA	Prep	3550C			410453	04/24/18 07:51	SMP	TAL BUF
Total/NA	Analysis	8081B		50	410968	04/26/18 14:36	JLS	TAL BUF
Total/NA	Prep	3550C			411220	04/27/18 07:20	SMP	TAL BUF
Total/NA	Analysis	8082A		1	411578	04/30/18 21:56	W1T	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		1	410722	04/24/18 11:57	LMH	TAL BUF
Total/NA	Prep	3050B			410124	04/21/18 11:57	JAK	TAL BUF
Total/NA	Analysis	6010C		5	410770	04/25/18 10:15	AMH	TAL BUF
Total/NA	Prep	7471B			411938	05/02/18 15:10	BMB	TAL BUF
Total/NA	Analysis	7471B		1	412200	05/02/18 16:46	BMB	TAL BUF

Client Sample ID: NE-SE BERM-042018

Lab Sample ID: 480-134628-7

Date Collected: 04/20/18 09:30
Matrix: Solid
Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411593	04/30/18 10:14	RLT	TAL BUF
TCLP	Analysis	8260C		10	413229	05/08/18 23:33	SV	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15
Matrix: Solid
Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	412609	05/04/18 10:57	KPK	TAL BUF

Client Sample ID: E-BERM-042018

Lab Sample ID: 480-134628-8

Date Collected: 04/20/18 10:15
Matrix: Solid
Date Received: 04/21/18 01:45
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			410288	04/23/18 09:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	410294	04/23/18 19:10	AEM	TAL BUF

Client Sample ID: NW-SW-BERM-042018

Lab Sample ID: 480-134628-9

Date Collected: 04/20/18 10:30
Matrix: Solid
Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411593	04/30/18 10:14	RLT	TAL BUF
TCLP	Analysis	8260C		10	413229	05/08/18 23:57	SV	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-10

Date Collected: 04/20/18 11:00
Matrix: Solid
Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	412609	05/04/18 10:57	KPK	TAL BUF

Client Sample ID: W-BERM-042018

Lab Sample ID: 480-134628-10

Date Collected: 04/20/18 11:00
Matrix: Solid
Date Received: 04/21/18 01:45
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			410288	04/23/18 09:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	410294	04/23/18 19:36	AEM	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Client Sample ID: X-1-042018

Lab Sample ID: 480-134628-11

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			411593	04/30/18 10:48	RLT	TAL BUF
TCLP	Analysis	8260C		10	413229	05/09/18 00:21	SV	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-12

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	412609	05/04/18 10:57	KPK	TAL BUF

Client Sample ID: X-2-042018

Lab Sample ID: 480-134628-12

Date Collected: 04/20/18 00:00

Matrix: Solid

Date Received: 04/21/18 01:45

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			410288	04/23/18 09:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	410294	04/23/18 20:01	AEM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-134628-1
Project/Site: Midler Crossing - Characteristic Soil

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Method	Method Description	Protocol	Laboratory
8260C	TCLP Volatiles	SW846	TAL BUF
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	TCLP Mercury	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
9095B	Paint Filter	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Midler Crossing - Characteristic Soil

TestAmerica Job ID: 480-134628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-134628-1	NE-SE BERM-042018	Solid	04/20/18 09:30	04/21/18 01:45
480-134628-2	E-BERM-042018	Solid	04/20/18 10:15	04/21/18 01:45
480-134628-3	NW-SW-BERM-042018	Solid	04/20/18 10:30	04/21/18 01:45
480-134628-4	W-BERM-042018	Solid	04/20/18 11:00	04/21/18 01:45
480-134628-5	X-1-042018	Solid	04/20/18 00:00	04/21/18 01:45
480-134628-6	X-2-042018	Solid	04/20/18 00:00	04/21/18 01:45
480-134628-7	NE-SE BERM-042018	Solid	04/20/18 09:30	04/21/18 01:45
480-134628-8	E-BERM-042018	Solid	04/20/18 10:15	04/21/18 01:45
480-134628-9	NW-SW-BERM-042018	Solid	04/20/18 10:30	04/21/18 01:45
480-134628-10	W-BERM-042018	Solid	04/20/18 11:00	04/21/18 01:45
480-134628-11	X-1-042018	Solid	04/20/18 00:00	04/21/18 01:45
480-134628-12	X-2-042018	Solid	04/20/18 00:00	04/21/18 01:45

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Yuri Veliz	Lab PM: Deyo, Melissa L	Carrier Tra	COC No: 480-112151-26023.1
Client Contact: Mr. Yuri Veliz	Phone:	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America			480-134628 COC	Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested		
City: East Syracuse	TAT Requested (days): Regular			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: Purchase Order Requested			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Midler Crossing - Characteristic Soil	Project #: 48017926			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012_ReactiveCN, 9034_Reactive	9095B - Paint Filter	6010C, 7470A, 8270D -	8260C - TCLP Volatiles -	1010A, 9045D	6010C, 7471B	8081B, 8082A, 8270D -	8260C - TCL VOCs					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N						
NE-SE Berm-042018	4-20-18	0930	C	Solid			X	X	X		X	[redacted]	[redacted]	[redacted]					4	
NE-SE Berm-042018	4-20-18	0930	G	Solid						X									1	
E-Berm-042018	4-20-18	1015	C	Solid								X	X						3	
E-Berm-042018	4-20-18	1015	G	Solid										X					1	
NW-SW-Berm-042018	4-20-18	1050	C				X	X	X		X								4	
NW-SW-Berm-042018	4-20-18	1050	G							X									1	
W-Berm-042018	4-20-18	1100	C									X	X						3	
W-Berm-042018	4-20-18	1100	G											X					1	
X-1-042018	4-20-18	-	C/G				X	X	X	X	X								5	Grab sample VOC
X-2-042018	4-20-18	-	C/G									X	X	X					4	Grab sample VOC
[redacted]										[redacted]				[redacted]	CYY					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
C. Yuri Veliz	4-20-18/1410	OBG	R. English	4-20-18, 14:50	SyR
Relinquished by: R. English	Date/Time: 4-20-18, 1900	Company SyR	Received by:	Date/Time: 4-21-18 0145	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.4 #1

Ver: 08/04/2016

483325 - Syracuse SC

5/10/2018

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-134628-1

Login Number: 134628

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

FOR STATE USE ONLY		
SITE NO.	APPLICATION NO.	DATE RECEIVED
DEPARTMENT ACTION ☐ Approved ☐ Disapproved		DATE

SPECIAL WASTE CHARACTERIZATION PROFILE

Disposal Facility Location (Choose All That Apply): Casella reserves the right to make changes to this section based upon review.

Hyland Landfill	Chemung Cty LF	Ontario Cty LF	Clinton Cty LF	Waste USA LF	NCES Landfill
6653 Herdman Road	1488 Cnty Rte. 60	1879 Rt. 5 & 20	286 Sand Road	21 Landfill Lane	581 Trudeau Road
Angelica, NY 14709	Lowman, NY 14861	Stanley, NY 14561	Morrisonville, NY 12962	Coventry, VT 05825	Bethlehem, NH 03574
Tel: (585) 466.7271	Tel: (607) 737.2980	Tel: (585) 526.4420	Tel: (518) 563.5514	Tel: (802) 334.5796	Tel: (603) 869.3366
Fax: (585) 466.3206	Fax: (607) 737.2967	Fax: (585) 526.5459	Fax: (518) 563.5598	Fax: (802) 334.2476	Fax: (603) 869.2152
☐	☐	☒	☐	☐	☐

Disposal Option: Casella reserves the right to make changes to this section based upon review.

Waste Profile is destined for: ☒ Disposal as waste ☐ BUD: ____ ☐ Other (describe): ____

Drill Cuttings Only: ☐ Raw Cuttings for Solidification ☐ Bulked Cuttings For Disposal MUST CHECK ONE: ☐ Air/Water ☐ Oil-based

Waste Characterization Data :

1) Company Generating Waste: Pioneer Midler Ave, LLC	Address of Facility Generating Waste: Street: Simon Drive City, State, Zip: Syracuse, NY 13224		County of Origin: Onondaga
2) Generator's Representative *(must match signature on pg 2)* Michael J. Falcone	Mailing Address of Representative: (if different from above) Street: c/o Pioneer Management Group, LLC, 333 West Washington St, Suite 600 City, State, Zip: Syracuse, NY 13202	Telephone No. 315-200-1842	Fax No. & Email: 315-471-1154 albert.giannino@pioneercos.com
3) Bill To Customer: Riccelli Enterprises Inc	Bill To Address: PO Box 6418 Syracuse NY 13217	Telephone No. 315-433-5115	Fax No. & Email: 315-433-5115 miker@riccellienterprises.com

4) Description of Facility (i.e. Residential, Commercial, Manufacturing, WWTP) and description of Process Generating Waste:

Commercial construction from 333 W. Washington Street, Syracuse, NY currently staged on former Midler Avenue Brownfield Site under NYSDEC Brownfield Cleanup Program (Site #C734103), Syracuse, NY

5) Description of waste (debris-containing, composition, uniform or mixture, etc.)

Mixed urban soil consisting of brownish gray, damp silt with some fine grained sand and gravel with some grayish cinders and brick debris. The cinders in the material are typically less than 2.5" in any dimension.

6) Is Waste Considered Hazardous by Federal or State Hazardous Waste Regulations? (Must Choose One): ☐ Yes ☒ No

7) Expected Annual Amount of Waste To Be Delivered	Approximate Density of Waste
2,354 tons/year 1,700 cubic yards/year	2,769 pounds/cubic yard

8) Expected Frequency of Delivery:

X one-time

____ daily ____ weekly ____ monthly ____ other (specify, if known)

9) Hauler Name	Address	Transporter Permit No.	Telephone No.
Riccelli Enterprises Inc	PO Box 6418 Syracuse NY 13217	7A-402 Exp. Date: 7/2018	315-433-5115

10) Method of Delivery.

____ roll-off ____ packer truck X tractor trailer ____ other

11) Previous Disposal Location:	Address	Telephone No.	Contact Person
NA			

Waste Characterization Data (Cont'd)

12) Is the waste classified as a "listed" or "characteristic" hazardous waste as defined by USEPA, or State of origin, or State where disposed? (If yes, see box #6, please explain.)
No

13) Describe all hazardous or nuisance properties associated with the waste.
None

14) Does the waste require any special handling or disposal procedures? If so, explain.
No

15) Analytical Data Submitted (TCLP/Other).	Type of Samples (indicate # of each type below)
Total VOCs, SVOCs, PCBs, Pesticides TCLP VOCs, SVOCs, Metals, PCBs, pH, Flashpoint, Corrosivity, Ignitability, Paint filter, Reactivity.	2-VOC grab 2 composite _____ borings *(Site plan must be provided if test pit/boring data is provided)*

Casella requires, at a minimum, the submittal of full TCLP (Metals-RCRA 8, VOC, SVOC, Pesticides/Herbicides), Total PCB's, pH, Reactivity, Ignitibility, and % solids testing results for any special waste submitted for landfill acceptance unless the applicant can provide an acceptable justification in the box below for submittal of less comprehensive data. The generator is responsible for proper waste characterization.

16) Justification for not submitting full TCLP data.
Full TCLP conducted, excepting herbicides because historic site operations did not include the manufacture, use or storage of herbicides, nor were herbicides identified during historical site investigation efforts. Therefore, characterization samples collected for disposal of the subject material were not analyzed for herbicides.
In accordance with Casella's question concerning the detection limits for some SVOCs, namely 2,4-Dinitrotoluene and Hexachlorobenzene, the analytical lab was contacted and their project manager stated "If there was not a "J" flag for a specific analyte, it was not detected between the RL and MDL at an estimated concentration".

GENERATOR CERTIFICATION

I hereby certify that (1) I am the authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is complete and accurate to the best of my knowledge and ability to determine; (3) the information provided herein, including any supplemental information, such as laboratory analytical, MSDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that, once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Generator or Authorized Representative - Signature:	Print name:	Print Title:	Date:
Michael J Falcone	Michael J. Falcone	Owner	6/8/18

SUBMIT THIS FORM AND ATTACHMENTS TO:

Special.Waste@Casella.com

INSTRUCTIONS

Special Waste Characterization Profile (SWCP) Form

A separate application is required for each special wastestream and must be approved by Casella Special Waste Technical *Approval Team prior to transport and disposal to any of our facilities.*

Disposal Facility Location - If known, please select the preferred disposal facility.

Disposal Option - If known, please select the preferred disposal option.

Waste Characterization Data - Please complete ALL sections on the SWCP form.

1. **Generator of Waste: Enter the GENERATOR information in section (1). The generator is the individual or entity that has ultimate responsibility for the waste. The generator is the person or company that created the waste or physically changed the waste last, typically the property owner, a municipality, a Company, a State Agency, etc. (not the engineer or contractor hired to do the work) Include the physical address where the waste was generated, including the county (not country) of origin.**

2. **Generator's Representative: The name and mailing address of the generator; the individual certifying the information provided on the profile is accurate, true and representative of the waste being disposed. The 'Representative of the Generator' should be the same individual signing the Form and must be an authorized representative of the generator (i.e. an officer of the company, or their authorized designee). Only the generator is authorized to sign the SWCP Form. In the rare event that the generator assigns responsibility to sign on their behalf, an Authorized Agent Form must accompany the SWCP Form.**

3. **Bill To Customer: Name and mailing address of the landfill's customer**

4. **Description of Facility: Indicate the type of facility or event generating the waste**
   Process Generating the Waste: Provide a detailed description of the process and/or manner in which the material was generated, including the source of contamination. Include as much information as possible; attach a process flow diagram, if applicable.
   Example: Site is former ABC Manufacturing Facility. The Plant manufactured plastic widgets and closed in 1970. Waste is remediation of contaminated soils from historic facility use – not the result of a spill of release.

5. **Description of Waste (debris-containing, composition, uniform or mixture, etc.): Provide a detailed description of the waste, including all known or potential contaminates, composition, whether it is uniform or a mixture, or contains debris.**
   Example: The waste is contaminated soil excavated from various areas of the former ABC Manufacturing Facility site; paints and varnishes were widely used in the process. The soil contamination is due to historic use, contaminates of concern include VOCs, SVOCs and heavy metals. Waste is uniform in nature with no detectable discoloration or odors.
   Note: "soil" is NOT an acceptable description of waste.

6. **Is Waste Hazardous by Federal OR State Waste Regulations?: It is the Generator's responsibility to identify any hazardous waste; you must check the appropriate box.**

7. **Expected Annual Amount of Waste To Be Delivered(Approximate Density of Waste): Indicate the anticipated amount of waste to be delivered in tons or cubic yards. If waste is estimate in cubic yards, please include the estimated waste density in pounds/cubic yard. If waste generated is a one-time event (not an on-going process), indicate the total project volume (or tons). If a waste density is not provided on the Form an estimate will be made based on the information provided.**

Waste Approvals will have an annual or one-time tonnage limit and require a renewal certification form to be completed and signed by the generator annually (anniversary date of the Approval) or if the approved tonnage limit is reached.

8. **Expected Frequency of Delivery: On-going wastes are typically manufacturing or industrial process waste. Please indicate if delivery will be daily, weekly, monthly or other. If it is not an on-going process that is generating the waste, it is considered a one-time event (even if it will be delivered over a period of time)**

9. **Hauler Name: Provide name, address, hauling permit number, permit expiration date and phone number of hauler. (Most States require waste haulers to be permitted and/or registered.)**

10. **Method of Delivery: Indicate the vessel or vehicle-type used for waste delivery. If "other" please provide a description**

11. **Previous Disposal Location: Enter information about any other facilities where the material has been disposed. If it has not been disposed at another location, enter "None" (do not leave blank).**

12. **Is the waste classified as a "listed" or "characteristic" hazardous waste?: Refer to 40 CFR 261.31-33 for Listed Waste and 40 CFR 261.21-24 for Characteristic Waste to make this determination.**

13. **Describe all Hazardous or Nuisance Properties associated with the waste: Such as dust, odors or size of material that may require special handling at the disposal facility.**

14. **Does the Waste Require Special Handling or Disposal Procedures: Indicate any special handling requirements at the disposal facility to address the above listed nuisance properties.**
    Example: Waste is friable asbestos and will be managed and packaged accoroding to State and Federal regulations.

15. **Analytical Data Submitted: Describe the analysis provided for evaluation; include the laboratory, report number and sample ID#s. Waste to be disposed of in NY State must be analyzed by NYS Certified lab. Indicate the type (i.e. grab samples /boring samples, composite samples), AND number of samples collected. Contaminated soil or remediation sites require representative composite samples collected from stockpiled material; include a brief description of how the composite sample was taken and the volume of material it represents. Test pit samples or boring samples will be evaluated case-by-case at Casella's discretion. TP or Borings MUST include a description of how the samples were collected, MUST be representative of the entire waste stream and include a site plan depicting sampling locations.**

16. **Justification for not submitting a Full TCLP Analysis: All special wastes require Full TCLP Analysis, minimum testing requirements are listed on the Profile Form. If the minimum testing is not submitted, the generator MUST provide justification for reduced analytical.**
    Example: Waste is Non-friable PCB contaminated building debris with lead-based paint. Attached engineering report includes TCLP analysis for lead, totals analysis for PCBs and an asbestos survey. Applicable Report sections and analysis is highlighted for the waste included in this application. Full TCLP is not needed because the waste is not contaminated with heavy metals or volatile organic compounds. Waste is not combustible, does not contain reactive sulfides or reactive cyanides.

Minimum testing requirements for any special waste submitted for landfill acceptance. The generator is responsible for proper waste characterization.

- **Full TCLP analysis for (RCRA 8 Metals, VOCs, SVOCs, and Pesticides/Herbicides),**
- **PCBs totals analysis,**
- **pH, Reactivity, Ignitibility, and % solids**
- **TPH is required for disposal in Vermont.**
- **Paint Filter will be required for any 'wet wastes' to confirm no free liquids.**

Additional testing may be required for applications seeking Beneficial Use, or at Casella's sole discretion.

Generator's Certification: Once all information is completed on the form, the authorized GENERATOR REPRESENTATIVE must certify the accuracy of the information. The individual signing the form must be the same as person listed in Section 2.

Casella will not accept a Special Waste Characterization Profile signed by anyone other than the generator (i.e. contractor, broker, or consultant) without express written delegation by Authorized Agent Form signed by the generator.

FOR STATE USE ONLY		
SITE NO.	APPLICATION NO.	DATE RECEIVED
DEPARTMENT ACTION ☐ Approved ☐ Disapproved		DATE

SPECIAL WASTE CHARACTERIZATION PROFILE

Disposal Facility Location (Choose All That Apply): Casella reserves the right to make changes to this section based upon review.

Hyland Landfill	Chemung Cty LF	Ontario Cty LF	Clinton Cty LF	Waste USA LF	NCES Landfill
6653 Herdman Road	1488 Cnty Rte. 60	1879 Rt. 5 & 20	286 Sand Road	21 Landfill Lane	581 Trudeau Road
Angelica, NY 14709	Lowman, NY 14861	Stanley, NY 14561	Morrisonville, NY 12962	Coventry, VT 05825	Bethlehem, NH 03574
Tel: (585) 466.7271	Tel: (607) 737.2980	Tel: (585) 526.4420	Tel: (518) 563.5514	Tel: (802) 334.5796	Tel: (603) 869.3366
Fax: (585) 466.3206	Fax: (607) 737.2967	Fax: (585) 526.5459	Fax: (518) 563.5598	Fax: (802) 334.2476	Fax: (603) 869.2152
☐	☐	☒	☐	☐	☐

Disposal Option: Casella reserves the right to make changes to this section based upon review.

Waste Profile is destined for: ☐ **Disposal as waste** ☒ **BUD:** ____ ☐ **Other (describe):** ____

Drill Cuttings Only: ☐ **Raw Cuttings for Solidification** ☐ **Bulked Cuttings For Disposal** **MUST CHECK ONE:** ☐ **Air/Water** ☐ **Oil-based**

Waste Characterization Data :

1) Company Generating Waste: **Pioneer Companies**	**Address of Facility Generating Waste:** **Street: Simon Drive** **City, State, Zip: Syracuse, NY 13224**		**County of Origin:** Onondaga
2) Generator's Representative *(must match signature on pg 2)*	**Mailing Address of Representative:** **(if different from above)** **Street: 333 West Washington St, Suite 600** **City, State, Zip: Syracuse, NY 13202**	**Telephone No.** **315-200-1842**	**Fax No. & Email:** **315-471-1154** **albert.giannino@pioneercos.com**
3) Bill To Customer: **Riccelli Enterprises Inc**	**Bill To Address:** **PO Box 6418** **Syracuse NY 13217**	**Telephone No.** **315-433-5115**	**Fax No. & Email:** **315-433-5115** **miker@riccellienterprises.com**

4) Description of Facility (i.e. Residential, Commercial, Manufacturing, WWTP) and description of Process Generating Waste:

Commercial construction on former Midler Avenue Brownfield Site under NYSDEC Brownfield Cleanup Program (Site #C734103)

5) Description of waste (debris-containing, composition, uniform or mixture, etc.)

Mixed urban soil consisting of brown reworked silt/sand/gravel mixed with gray cinders and brick debris. The gray cinders in the material are typically less than 2.5" in any dimension.

6) Is Waste Considered Hazardous by Federal or State Hazardous Waste Regulations? (Must Choose One): ☐ **Yes** ☒ **No**

7) Expected Annual Amount of Waste To Be Delivered	**Approximate Density of Waste**
3,600 tons/year 2,600 cubic yards/year	**2,769 pounds/cubic yard**

8) Expected Frequency of Delivery:

X one-time

____ daily ____ weekly ____ monthly ____ other (specify, if known)

9) Hauler Name	**Address**	**Transporter Permit No.**	**Telephone No.**
Riccelli Enterprises Inc	PO Box 6418 Syracuse NY 13217	7A-402 Exp. Date: 7/2018	315-433-5115

10) Method of Delivery.

____ roll-off ____ packer truck X tractor trailer ____ other

11) Previous Disposal Location:	**Address**	**Telephone No.**	**Contact Person**

NA			

Waste Characterization Data (Cont'd)

12) Is the waste classified as a "listed" or "characteristic" hazardous waste as defined by USEPA, or State of origin, or State where disposed? (If yes, see box #6, please explain.)
No

13) Describe all hazardous or nuisance properties associated with the waste.
None

14) Does the waste require any special handling or disposal procedures? If so, explain.
No

15) Analytical Data Submitted (TCLP/Other).	**Type of Samples (indicate # of each type below)**
Total VOCs, SVOCs, PCBs **TCLP VOCs, SVOCs, Metals, Flashpoint, pH, Ignitability, Paint filter, Reactivity.**	**____ grab 2 composite ____ borings** *(Site plan must be provided if test pit/boring data is provided)*

Casella requires, at a minimum, the submittal of full TCLP (Metals-RCRA 8, VOC, SVOC, Pesticides/Herbicides), Total PCB's, pH, Reactivity, Ignitibility, and % solids testing results for any special waste submitted for landfill acceptance unless the applicant can provide an acceptable justification in the box below for submittal of less comprehensive data. The generator is responsible for proper waste characterization.

16) Justification for not submitting full TCLP data.
Historic site operations did not include the manufacture, use or storage of herbicides or pesticides, nor were herbicides or pesticides identified during the Phase 1 Environmentak Site Assessment for the site, nor were they identified as contaminants of concern by NYSDEC under the Brownfields Cleanup Program application. Therefore, characterization samples collected for disposal of the subject material were not analyzed for herbicides or pesticides.

GENERATOR CERTIFICATION

I hereby certify that (1) I am the authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is complete and accurate to the best of my knowledge and ability to determine; (3) the information provided herein, including any supplemental information, such as laboratory analytical, MSDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that, once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Generator or Authorized Representative - Signature:	**Print name:**	**Print Title:**	**Date:**

SUBMIT THIS FORM AND ATTACHMENTS TO:

Special.Waste@Casella.com

INSTRUCTIONS

Special Waste Characterization Profile (SWCP) Form

A separate application is required for each special wastestream and must be approved by Casella Special Waste Technical *Approval Team prior to transport and disposal to any of our facilities.*

Disposal Facility Location - If known, please select the preferred disposal facility.

Disposal Option - If known, please select the preferred disposal option.

Waste Characterization Data - Please complete ALL sections on the SWCP form.

1. **Generator of Waste: Enter the GENERATOR information in section (1). The generator is the individual or entity that has ultimate responsibility for the waste. The generator is the person or company that created the waste or physically changed the waste last, typically the property owner, a municipality, a Company, a State Agency, etc. (not the engineer or contractor hired to do the work) Include the physical address where the waste was generated, including the county (not country) of origin.**

2. **Generator's Representative: The name and mailing address of the generator; the individual certifying the information provided on the profile is accurate, true and representative of the waste being disposed. The 'Representative of the Generator' should be the same individual signing the Form and must be an authorized representative of the generator (i.e. an officer of the company, or their authorized designee). Only the generator is authorized to sign the SWCP Form. In the rare event that the generator assigns responsibility to sign on their behalf, an Authorized Agent Form must accompany the SWCP Form.**

3. **Bill To Customer: Name and mailing address of the landfill's customer**

4. **Description of Facility: Indicate the type of facility or event generating the waste**
   Process Generating the Waste: Provide a detailed description of the process and/or manner in which the material was generated, including the source of contamination. Include as much information as possible; attach a process flow diagram, if applicable.
   Example: Site is former ABC Manufacturing Facility. The Plant manufactured plastic widgets and closed in 1970. Waste is remediation of contaminated soils from historic facility use – not the result of a spill of release.

5. **Description of Waste (debris-containing, composition, uniform or mixture, etc.): Provide a detailed description of the waste, including all known or potential contaminates, composition, whether it is uniform or a mixture, or contains debris.**
   Example: The waste is contaminated soil excavated from various areas of the former ABC Manufacturing Facility site; paints and varnishes were widely used in the process. The soil contamination is due to historic use, contaminates of concern include VOCs, SVOCs and heavy metals. Waste is uniform in nature with no detectable discoloration or odors.
   Note: "soil" is NOT an acceptable description of waste.

6. **Is Waste Hazardous by Federal OR State Waste Regulations?: It is the Generator's responsibility to identify any hazardous waste; you must check the appropriate box.**

7. **Expected Annual Amount of Waste To Be Delivered(Approximate Density of Waste): Indicate the anticipated amount of waste to be delivered in tons or cubic yards. If waste is estimate in cubic yards, please include the estimated waste density in pounds/cubic yard. If waste generated is a one-time event (not an on-going process), indicate the total project volume (or tons). If a waste density is not provided on the Form an estimate will be made based on the information provided.**

Waste Approvals will have an annual or one-time tonnage limit and require a renewal certification form to be completed and signed by the generator annually (anniversary date of the Approval) or if the approved tonnage limit is reached.

8. **Expected Frequency of Delivery: On-going wastes are typically manufacturing or industrial process waste. Please indicate if delivery will be daily, weekly, monthly or other. If it is not an on-going process that is generating the waste, it is considered a one-time event (even if it will be delivered over a period of time)**

9. **Hauler Name: Provide name, address, hauling permit number, permit expiration date and phone number of hauler. (Most States require waste haulers to be permitted and/or registered.)**

10. **Method of Delivery: Indicate the vessel or vehicle-type used for waste delivery. If "other" please provide a description**

11. **Previous Disposal Location: Enter information about any other facilities where the material has been disposed. If it has not been disposed at another location, enter "None" (do not leave blank).**

12. **Is the waste classified as a "listed" or "characteristic" hazardous waste?: Refer to 40 CFR 261.31-33 for Listed Waste and 40 CFR 261.21-24 for Characteristic Waste to make this determination.**

13. **Describe all Hazardous or Nuisance Properties associated with the waste: S uch as dust, odors or size of material that may require special handling at the disposal facility.**

14. **Does the Waste Require Special Handling or Disposal Procedures: Indicate any special handling requirements at the disposal facility to address the above listed nuisance properties.**
    Example: Waste is friable asbestos and will be managed and packaged accoroding to State and Federal regulations.

15. **Analytical Data Submitted: Describe the analysis provided for evaluation; include the laboratory, report number and sample ID#s. Waste to be disposed of in NY State must be analyzed by NYS Certified lab. Indicate the type (i.e. grab samples /boring samples, composite samples), AND number of samples collected. Contaminated soil or remediation sites require representative composite samples collected from stockpiled material; include a brief description of how the composite sample was taken and the volume of material it represents. Test pit samples or boring samples will be evaluated case-by-case at Casella's discretion. TP or Borings MUST include a description of how the samples were collected, MUST be representative of the entire waste stream and include a site plan depicting sampling locations.**

16. **Justification for not submitting a Full TCLP Analysis: All special wastes require Full TCLP Analysis, minimum testing requirements are listed on the Profile Form. If the minimum testing is not submitted, the generator MUST provide justification for reduced analytical.**
    Example: Waste is Non-friable PCB contaminated building debris with lead-based paint. Attached engineering report includes TCLP analysis for lead, totals analysis for PCBs and an asbestos survey. Applicable Report sections and analysis is highlighted for the waste included in this application. Full TCLP is not needed because the waste is not contaminated with heavy metals or volatile organic compounds. Waste is not combustible, does not contain reactive sulfides or reactive cyanides.

Minimum testing requirements for any special waste submitted for landfill acceptance. The generator is responsible for proper waste characterization.

- **Full TCLP analysis for (RCRA 8 Metals, VOCs, SVOCs, and Pesticides/Herbicides),**
- **PCBs totals analysis,**
- **pH, Reactivity, Ignitibility, and % solids**
- **TPH is required for disposal in Vermont.**
- **Paint Filter will be required for any 'wet wastes' to confirm no free liquids.**

Additional testing may be required for applications seeking Beneficial Use, or at Casella's sole discretion.

Generator's Certification: Once all information is completed on the form, the authorized GENERATOR REPRESENTATIVE must certify the accuracy of the information. The individual signing the form must be the same as person listed in Section 2.

Casella will not accept a Special Waste Characterization Profile signed by anyone other than the generator (i.e. contractor, broker, or consultant) without express written delegation by Authorized Agent Form signed by the generator.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 500-800

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that would pass a size 80 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

No sampling necessary

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

No sampling necessaey

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Riccelli Enterprises, Inc. - purchaser

Location where fill was obtained:

Callanan Industries, Inc - Madison Mine, Quarry Rd. Perryville, NY 13037

Identification of any state or local approvals as a fill source:

DEC Mining Permit - 7-2448-00051

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

N/A

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5411 I F: (585) 226-2909
www.dec.ny.gov

May 22, 2018

Ms. Karen Flanders
Special Waste Department
Casella Waste Systems, Resource Solutions
25 Greens Hill Lane
Rutland, VT 05701

Dear Ms. Flanders:

RE: Ontario County Landfill; Approval Request for Beneficial Use Determination (BUD) for Contaminated Soil from Midler Avenue Brownfield Project, NYSDEC Site No. C835027A, for use as Alternative Daily Cover (ADC)
Stanley (T) Ontario (C)

The above request was received by this office via e-mail on April 27, 2018. The request seeks Department approval for the Ontario County landfill to accept approximately 3,600 tons of contaminated soil, for use as BUD-ADC at the landfill. The soil in question was generated at, and is currently stock piled in two soil berms at the Midler Avenue Brownfield Project site (NYSDEC Site #C734103) in Syracuse NY.

I've reviewed the analytical data you submitted and have calculated the benzo(a)pyrene equivalent (BAP) for the east and west berm. The BAP for the west berm is 5.86 mg/kg, and 0.803 mg/kg for the east berm. The Part 375-6.8(b) restricted use soil cleanup objective for industrial use for benzo(a)pyrene is 1.1 mg/kg. Due to the elevated BAP level, it would not be prudent to use soil from the west berm as ADC at the landfill, as a result the soil from the west berm may be accepted by the landfill for disposal as waste but it may not be used as ADC. The soil from the east berm may be accepted and used as BUD ADC at the landfill.

Department approval to use a waste as BUD-ADC at the landfill is a determination that based on the information you provided, the material may be used for the requested reuse, it is not an authorization to exceed existing stockpile limits, use the material for non-approved purposes, and/or use material as BUD if it exhibits properties significantly different than those represented in the approval request. All BUD-ADC must be managed such that all stromwater run-off from the material is captured by the landfills leachate collection system and the generation of dust resulting from the handling, storage and/or use of the material is minimized. I remind you the landfill is limited to a

10,000-ton stock pile of BUD ADC, the acceptance and use of all BUD ADC must be managed to remain in compliance with this requirement.

If you have any questions concerning this letter I can be reached at 585-226-5414 or gary.maslanka@dec.ny.gov.

Sincerely,

Gary M. Maslanka
Environmental Engineer
Division of Materials Management

cc:	J. Boliver, D. Kay, M. Miles,	NYSDEC
	G. MacLean, Karen Cahill	NYSDEC
	R. Fadden, Amy Dill,	Casella
	W. Klinesmith	Casella
	T. Jensen	Ontario County

The information provided on this form is accurate and complete.

Michael J Falcone — Signature

6/18/18 — Date

Michael J. Falcone — Print Name

Pioneer Companies — Firm

PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
CALLANAN INDUSTRIES INC
PO BOX 15097
Albany, NY 12212-5097
(518) 374-2222

Facility:
MADISON MINE
QUARRY RD - OPPOSITE INGALLS RD
PERRYVILLE, NY 13037

Facility Location: in SULLIVAN in MADISON COUNTY
Facility Principal Reference Point: NYTM-E: 434.166 NYTM-N: 4763.182
Latitude: 43°01'06.5" Longitude: 75°48'28.6"

Authorized Activity: This permit authorizes mining activity on 79 acres of land during the permit term, within a 146 acre life-of-mine facility, within a 154 acre parcel of land, including specified processing equipment, on lands owned by Callanan Industries, Inc.

Permit Authorizations

Mined Land Reclamation - Under Article 23, Title 27
Permit ID 7-2548-00051/00001 (Mined Land ID 70045)
Renewal Effective Date: 6/7/2018 Expiration Date: 6/6/2023

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: ELIZABETH A TRACY, Deputy Regional Permit Administrator
Address: NYSDEC Region 7 Headquarters
615 Erie Boulevard W
Syracuse, NY 13204 -2400

Authorized Signature: Elizabeth Tracy Date 5/24/18

Permit Components

MINED LAND RECLAMATION PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

Your next PRR will be due on March 31, 2019. You will receive a reminder letter and updated certification form approximately 45 days prior to the due date.

Sincerely,

Karen A. Cahill
Project Manager

ec: Harry Warner harry.warner@dec.ny.gov, NYSDEC
Richard Jones richard.jones@doh.ny.gov, NYSDOH
Wayne Randall wrandall@cscos.com, C&S

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 7
615 Erie Boulevard West, Syracuse, NY 13204-2400
P: (315) 426-7519, (315) 426-7551 | F: (315) 426-2653
www.dec.ny.gov

December 7, 2018

Mr. Greg Henson
Pioneer Companies
333 West Washington St.
Suite 600
Syracuse, NY 13202

Re: Midler City Industrial Park, Syracuse, NY, Site No. C734103
SMP Monitoring Requirements

Dear Mr. Henson:

The Department has reviewed C&S's December 6, 2018 letter requesting that the Monitored Natural Attenuation (MNA) parameter analyses be eliminated from the monitoring program and hereby approve this request.

Additionally, as stated in our June 28, 2016 letter, the use of Passive Diffusion Bags (PDBs) for volatile organic compound (VOC) sample collection/analysis is also approved.

Sincerely,

Karen A. Cahill
Project Manager

ec: Harry Warner harry.warner@dec.ny.gov, NYSDEC
Richard Jones Richard.jones@doh.ny.gov, NYSDOH
Wayne Randall wrandall@cscos.com, C&S

Appendix D

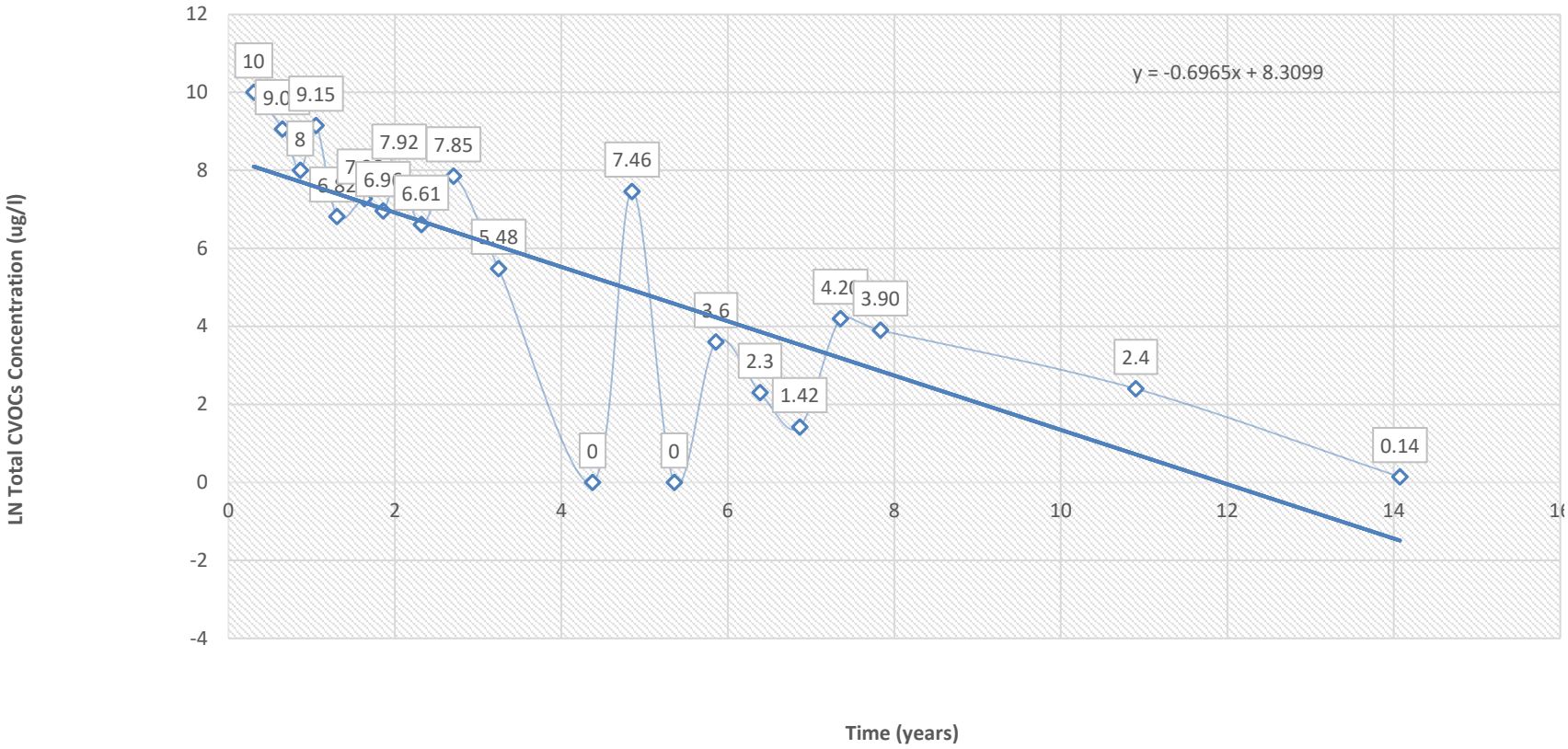
Groundwater Quality Summary through March/April 2022 and 2022 Laboratory Reports

Pioneer Midler Avenue LLC
Summary of Groundwater VOC Data

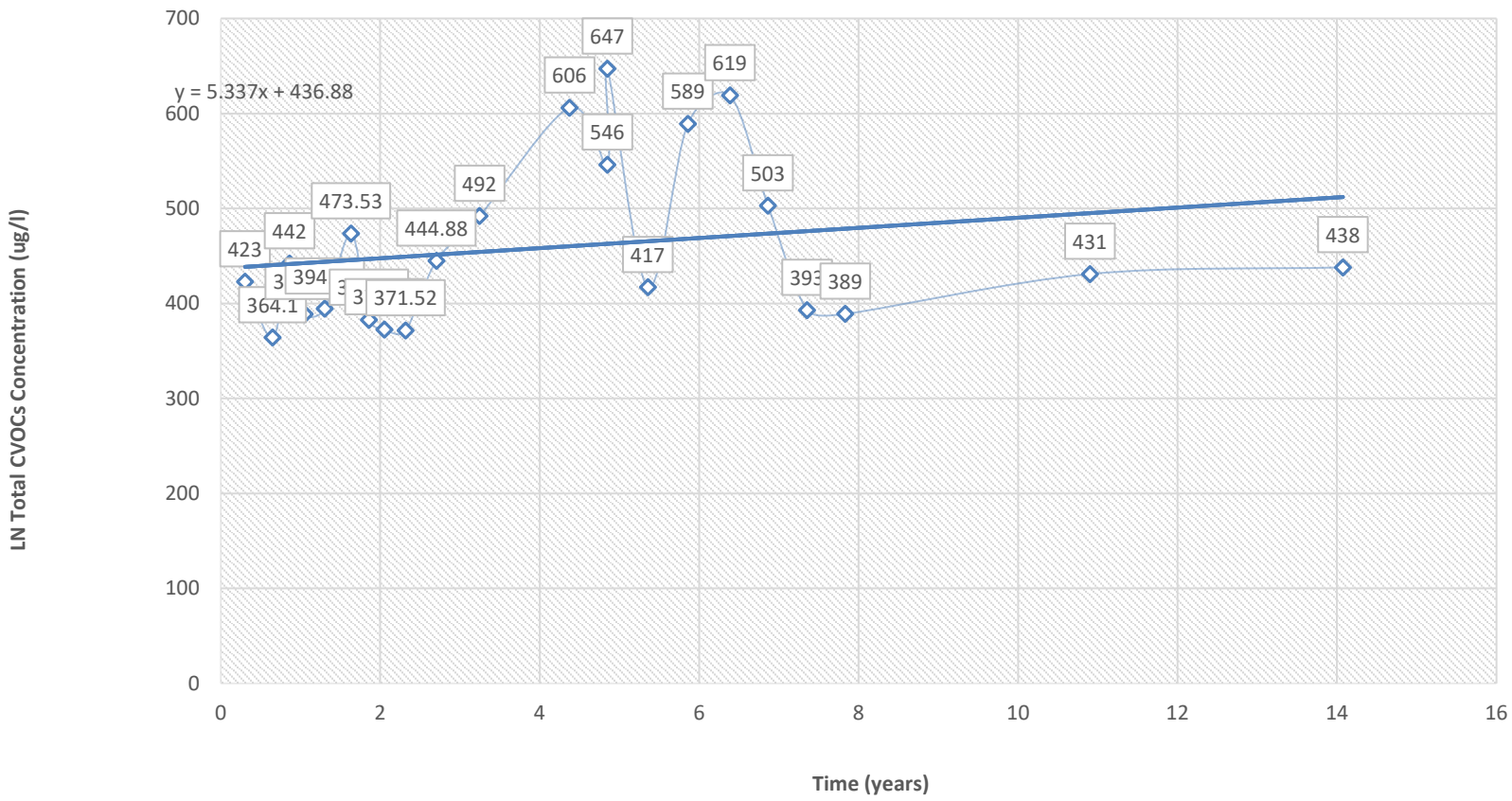
Parameter	Units	NYSDEC GA		MW-9D		MW-9D		MW-9D		MW-9D		MW09D		MW09D		MW09D		MW-10D		MW-10D		MW-10D		MW-10D		MW-10D		MW-10D		MW-10D		MW-10D		MW-13D D		MW-13D		MW-13D		MW-13D		MW-13D		MW-13D		MW-13D		MW-15D		MW-15D		MW-15D		MW-15D		MW-15D		MW-15D		MW-15D		MW-15D	
Sample Date		Standard	Guidance	06/20/13		12/20/13		07/01/14		12/22/14		06/19/15		12/11/15		01/04/19		06/20/13		12/20/13		07/01/14		12/22/14		06/19/15		12/11/15		01/04/19		03/07/22		06/20/13		12/20/13		07/01/14		12/22/14		06/19/15		12/11/15		01/04/19		02/09/22		06/20/13		12/20/13		07/01/14		12/22/14		06/19/15		12/11/15		01/04/19		02/09/22	
1,1,1-Trichloroethane	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
1,1,2,2-Tetrachloroethane	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
1,1,2-Trichloroethane	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	1.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	6	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	7.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	1.5	U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		NA		NA		NA		1	U	1	U	1	U	5	U	NA		NA		NA		40	U	40	U	25	U	13	U	NA		NA		NA		NA		NA		200	U	50	U	50	U	13	U	NA		NA		NA		NA		NA		NA		NA		NA		5	U	NA	
1,1-Dichloroethane	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
1,1-Dichloroethene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	1.5	J	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
1,2,4-Trichlorobenzene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
1,2-Dibromo-3-chloropropane	ug/l	0.04		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
1,2-Dibromoethane	ug/l			2	U	2	U	2	U	1	U	1	U	1	U	5	U	2	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	8	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	10	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2	U
1,2-Dichlorobenzene	ug/l	3		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
1,2-Dichloroethane	ug/l	0.6		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
1,2-Dichloropropane	ug/l	1		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	4	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	1	U
1,3-Dichlorobenzene	ug/l	3		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
1,4-Dichlorobenzene	ug/l	3		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
2-Butanone (MEK)	ug/l		50	10	U	10	U	10	U	5	U	5	U	5	U	10	U	5	U	100	U	100	U	100	U	200	U	200	U	130	U	25	U	20	U	100	U	100	U	100	U	1000	U	250	U	250	U	25	U	25	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	5	U
2-Hexanone	ug/l		50	10	U	10	U	10	U	5	U	5	U	5	U	10	U	5	U	100	U	100	U	100	U	200	U	200	U	130	U	25	U	20	U	100	U	100	U	100	U	1000	U	250	U	250	U	25	U	25	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	5	U
4-Methyl-2-pentanone (MIBK)	ug/l			10	U	10	U	10	U	5	U	5	U	5	U	10	U	5	U	100	U	100	U	100	U	200	U	200	U	130	U	25	U	20	U	100	U	100	U	100	U	1000	U	250	U	250	U	25	U	25	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	5	U
Acetone	ug/l		50	12		10	U	4	J	5	U	5	U	5	U	10	U	4.3	J	100	U	100	U	100	U	200	U	200	U	130	U	25	U	20	U	100	U	100	U	100	U	200	U	50	U	50	U	25	U	25	U	20	U	20	U	1.5	J	5	U	5	U	5	U	10	U	1.5	J
Benzene	ug/l	1		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	2.2	J	5.2		4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
Bromodichloromethane	ug/l		50	2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
Bromoform	ug/l		50	2	U	2	U	2	U	1	U	1	U	1	U	5	U	2	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	8	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	10	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2	U
Bromomethane	ug/l			2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
Carbon disulfide	ug/l	60		0.55	J	2	U	2	U	1	U	1	U	1	U	5.8	J	5	U	20	U	20	U	20	U	40	U	40	U	25	U	8.5	J	20	U	20	U	20	U	20	U	200	U	50	U	50	U	15	J	10	U	1.3	J	4	U	4	U	4	U	1	U	1	U	1	U	3.3	J	5	U
Carbon tetrachloride	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
Chlorobenzene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	10	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
Chloroethane	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
Chloroform	ug/l	7		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	10	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
Chloromethane	ug/l			2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40	U	40	U	25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
cis-1,2-Dichloroethene	ug/l	5		2	U	1.9	J	2.3	J	0.84	J	2.1		2.3		2.4	J	2.5	U	320		480		510	J	410		330		320	E	390		420		260		1900		360		1200		240		620		260		600		3.7	J	3.9	J	4.9		4.2		3.9		4.5		3.9	J	3.2	
cis-1,3-Dichloropropene	ug/l	0.4		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40		40		25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
Cyclohexane	ug/l			NA		NA		NA		NA		NA		NA		10	U	10	U	NA		NA		NA		NA		NA		NA		25	U	40	U	NA		NA		NA		NA		NA		25	U	50	U	NA		NA		NA		NA		NA		NA		10	U	10	U
Dibromochloromethane	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40		40		25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
Dichlorodifluoromethane	ug/l	5		NA		NA		NA		NA		1	U	1	U	5	U	5	U	NA		NA		NA		NA		NA		NA		13	U	20	U	NA		NA		NA		NA		NA		13	U	25	U	NA		NA		NA		NA		NA		NA		5	U	5	U
Ethylbenzene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40		40		25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
Isopropylbenzene	ug/l	5		NA		NA		NA		NA		NA		NA		5	U	2.5	U	NA		NA		NA		NA		NA		NA		13	U	10	U	NA		NA		NA		NA		NA		13	U	12	U	NA		NA		NA		NA		NA		NA		5	U	2.5	U
Methyl acetate	ug/l			NA		NA		NA		NA		NA		NA		10	U	2	U	NA		NA		NA		NA		NA		NA		25	U	8	U	NA		NA		NA		NA		NA		25	U	10	U	NA		NA		NA		NA		NA		NA		10	U	2	U
Methyl tert butyl ether	ug/l	10		NA		NA		NA		NA		NA		NA		5	U	10	U	NA		NA		NA		NA		NA		NA		13	U	10	U	NA		NA		NA		NA		NA		13	U	12	U	NA		NA		NA		NA		NA		NA		5	U	10	U
Methylcyclohexane	ug/l			NA		NA		NA		NA		NA		NA		10	U	2.5	U	NA		NA		NA		NA		NA		NA		25	U	40	U	NA		NA		NA		NA		NA		25	U	50	U	NA		NA		NA		NA		NA		NA		10	U	2.5	U
Methylene chloride	ug/l	5		4	U	2	U	2	U	1	U	2	U	2	U	5	U	2.5	U	40		40	U	40	U	80		80		50	U	13	U	10	U	40	U	40	U	40	U	400	U	100	U	100	U	13	U	12	U	8	U	8	U	8	U	2	U	2	U	2		5	U	2.5	U
Styrene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40		40		25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
Tetrachloroethene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40		40		25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
Toluene	ug/l	5		2.6		2	U	2	U	0.58	J	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40		40		25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	0.85	J	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U
trans-1,2-Dichloroethene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	16	J	19	J	25	J	19	J	18	J	25	U	16		18		20	U	25		50	U	200	U	50	U	50	U	3.1	J	5.1		4	U	4	U	1		0.77	J	0.77	J	1	U	0.82	J	0.73	J
trans-1,3-Dichloropropene	ug/l	0.4		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40		40		25	U	13	U	2	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	0.5	U
Trichloroethene	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	0.5	U	20	U	20	U	20	U	40		40		25	U	0.89	J	2	U	20	U	20		20	U	200	U	50	U	50	U	13	U	2.5	U	4	U	4	U	4	U	1	U	1	U	1	U	0.21	J	0.5	U
Trichlorofluoromethane	ug/l	5		NA		NA		NA		NA		NA		NA		5	U	2.5	U	NA		NA		NA		NA		NA		NA		13	U	10	U	NA		NA		NA		NA		NA		13	U	12	U	NA		NA		NA		NA		NA		NA		5	U	2.5	U
Vinyl chloride	ug/l	2		2	U	1.7	J	2	U	1	U	2.1		1.6		5	U	0.14	J	81		90		84		74		45		56		25		38		400		3200		780		1600		490		920		490		1600		4	U	4	U	4	U	1	U	1		1.1		0.83	J	0.64	J
Xylenes, Total	ug/l	5		2	U	2	U	2	U	1	U	1	U	1	U	5	U	2.5	U	20	U	20	U	20	U	40		40		25	U	13	U	10	U	20	U	20	U	20	U	200	U	50	U	50	U	13	U	12	U	4	U	4	U	4	U	1	U	1	U	1	U	5	U	2.5	U

Data Qualifiers:
U- Not Detected, undetected,
J or E - Estimated value
RE - re-extraction, Diluted
B-Analyte found in associated blank as well as in the sample
NA-Parameter Not Analyzed

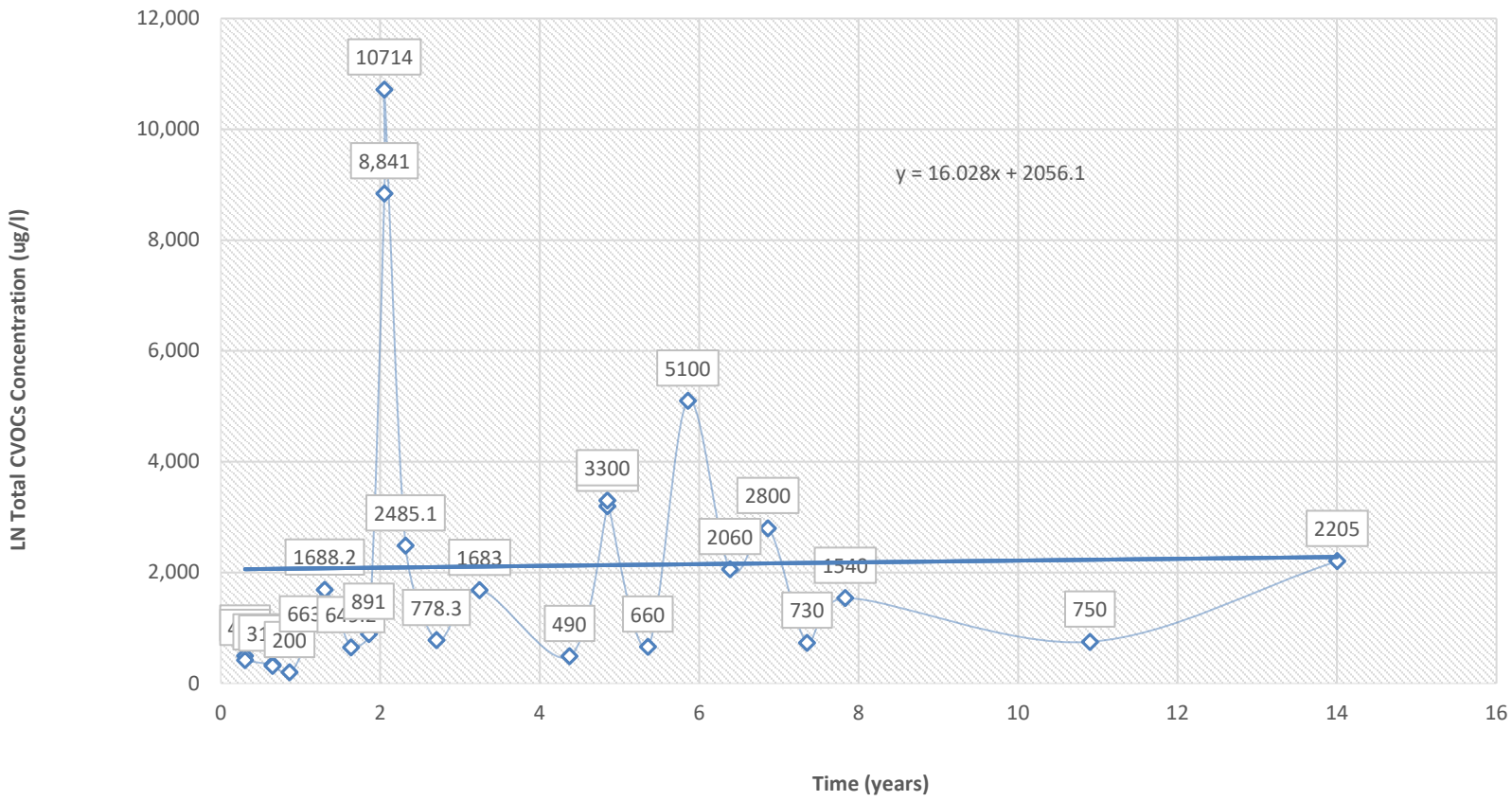
Total CVOCs Concentration vs. Time at MW-9D



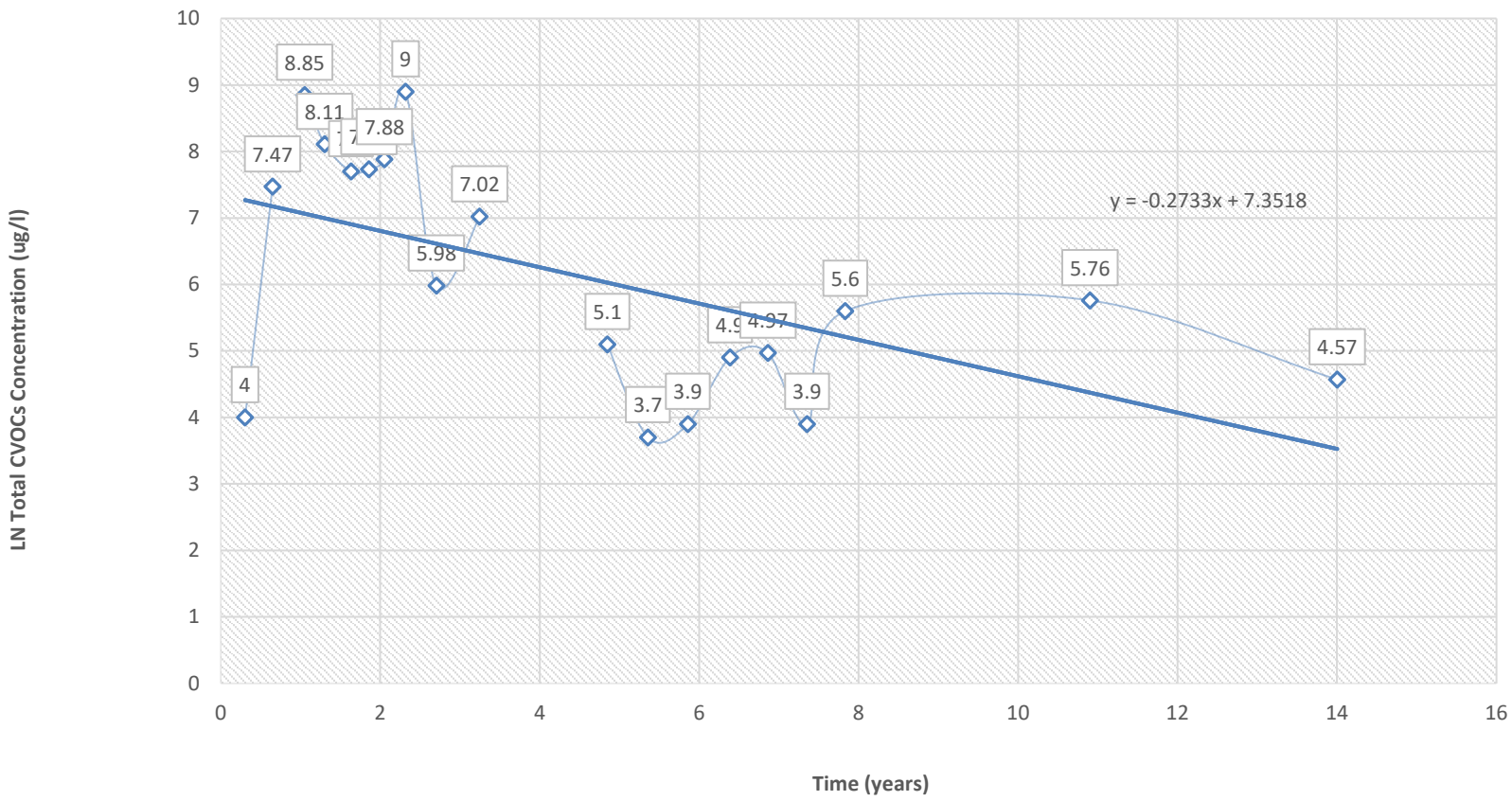
Total CVOCs Concentration vs. Time at MW-10D



Total CVOCs Concentration vs. Time at MW-13D



Total CVOCs Concentration vs. Time at MW-15D



ANALYTICAL REPORT

Lab Number:	L2206926
Client:	C&S Companies 499 Col. Eileen Collins Blvd. Syracuse, NY 13212
ATTN:	Wayne Randall
Phone:	(315) 455-2000
Project Name:	MIDLER AVE GW SAMPLING
Project Number:	C81
Report Date:	02/16/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2206926-01	MW-15D	WATER	MIDLER AVE, SYRACUSE, NY	02/09/22 14:10	02/09/22
L2206926-02	MW-13D	WATER	MIDLER AVE, SYRACUSE, NY	02/09/22 14:15	02/09/22
L2206926-03	TRIP BLANK	WATER	MIDLER AVE, SYRACUSE, NY	02/09/22 00:00	02/09/22

Project Name:	MIDLER AVE GW SAMPLING	**Lab Number:**	L2206926
Project Number:	C81	**Report Date:**	02/16/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	MIDLER AVE GW SAMPLING	**Lab Number:**	L2206926
Project Number:	C81	**Report Date:**	02/16/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2206926-01: The sample identified as "MW-15D" on the chain of custody was identified as "MW-15" on the container label. At the client's request, the sample is reported as "MW-15D".

L2206926-02: The sample identified as "MW-13D" on the chain of custody was identified as "MW-13" on the container label. At the client's request, the sample is reported as "MW-13D".

Volatile Organics

L2206926-02D2: The pH was greater than two; however, the sample was analyzed within the method required holding time.

The WG1604755-6/-7 MS/MSD recoveries, performed on L2206926-02, are outside the acceptance criteria for vinyl chloride (0%/0%) and cis-1,2-dichloroethene (60%/20%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 02/16/22

ORGANICS

VOLATILES

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81
Lab Number: L2206926
Report Date: 02/16/22

SAMPLE RESULTS

Lab ID: L2206926-01
Client ID: MW-15D
Sample Location: MIDLER AVE, SYRACUSE, NY
Date Collected: 02/09/22 14:10
Date Received: 02/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/11/22 18:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.64	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.73	J	ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

SAMPLE RESULTS

Lab ID: L2206926-01 Date Collected: 02/09/22 14:10

Client ID: MW-15D Date Received: 02/09/22

Sample Location: MIDLER AVE, SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.2		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: MIDLER AVE GW SAMPLING
Lab Number: L2206926
Project Number: C81
Report Date: 02/16/22

SAMPLE RESULTS

Lab ID: L2206926-02 D2
Client ID: MW-13D
Sample Location: MIDLER AVE, SYRACUSE, NY

Date Collected: 02/09/22 14:15
Date Received: 02/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/14/22 20:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Vinyl chloride	1600		ug/l	25	1.8	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

SAMPLE RESULTS

Lab ID: L2206926-02 D
Client ID: MW-13D
Sample Location: MIDLER AVE, SYRACUSE, NY

Date Collected: 02/09/22 14:15
Date Received: 02/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/11/22 19:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	5.2		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	1200	E	ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	1.5	J	ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	5.1	J	ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

SAMPLE RESULTS

Lab ID: L2206926-02 D Date Collected: 02/09/22 14:15

Client ID: MW-13D Date Received: 02/09/22

Sample Location: MIDLER AVE, SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	600		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

SAMPLE RESULTS

Lab ID: L2206926-03 Date Collected: 02/09/22 00:00

Client ID: TRIP BLANK Date Received: 02/09/22

Sample Location: MIDLER AVE, SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 02/11/22 16:53

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

SAMPLE RESULTS

Lab ID: L2206926-03 Date Collected: 02/09/22 00:00

Client ID: TRIP BLANK Date Received: 02/09/22

Sample Location: MIDLER AVE, SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/22 08:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1604726-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/22 08:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1604726-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/22 08:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1604726-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/22 10:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1604755-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/22 10:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1604755-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/11/22 10:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1604755-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/14/22 19:31
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1604988-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/14/22 19:31
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1604988-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MIDLER AVE GW SAMPLING **Lab Number:** L2206926

Project Number: C81 **Report Date:** 02/16/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/14/22 19:31
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1604988-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1604726-3 WG1604726-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	95		100		70-130	5		20
cis-1,3-Dichloropropene	88		95		70-130	8		20
Bromoform	92		96		54-136	4		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	78		86		39-139	10		20
Vinyl chloride	110		120		55-140	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1604726-3 WG1604726-4								
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		110		63-130	13		20
p/m-Xylene	115		115		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	84		91		58-148	8		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	93		94		63-138	1		20
4-Methyl-2-pentanone	90		98		59-130	9		20
2-Hexanone	94		98		57-130	4		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	96		100		70-130	4		20
1,2-Dibromo-3-chloropropane	82		90		41-144	9		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	95		100		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1604726-3 WG1604726-4								
1,2,4-Trichlorobenzene	99		110		70-130	11		20
Methyl Acetate	86		96		70-130	11		20
Cyclohexane	120		120		70-130	0		20
1,4-Dioxane	96		116		56-162	19		20
Freon-113	120		130		70-130	8		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1604755-3 WG1604755-4								
Methylene chloride	95		92		70-130	3		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	99		92		70-130	7		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	98		96		70-130	2		20
Dibromochloromethane	96		91		63-130	5		20
1,1,2-Trichloroethane	98		92		70-130	6		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	96		94		62-150	2		20
1,2-Dichloroethane	96		97		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	97		96		67-130	1		20
trans-1,3-Dichloropropene	96		91		70-130	5		20
cis-1,3-Dichloropropene	95		92		70-130	3		20
Bromoform	88		92		54-136	4		20
1,1,2,2-Tetrachloroethane	93		94		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	91		87		64-130	4		20
Bromomethane	82		74		39-139	10		20
Vinyl chloride	100		97		55-140	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1604755-3 WG1604755-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	89		91		63-130	2		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	74		75		36-147	1		20
Acetone	90		93		58-148	3		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	77		83		63-138	8		20
4-Methyl-2-pentanone	87		91		59-130	4		20
2-Hexanone	86		88		57-130	2		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	93		95		70-130	2		20
1,2-Dibromo-3-chloropropane	88		84		41-144	5		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	90		91		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1604755-3 WG1604755-4								
1,2,4-Trichlorobenzene	94		92		70-130	2		20
Methyl Acetate	90		91		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	96		104		56-162	8		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		107		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1604988-3 WG1604988-4								
Methylene chloride	100		99		70-130	1		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	99		100		63-130	1		20
1,1,2-Trichloroethane	100		99		70-130	1		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		100		70-130	2		20
cis-1,3-Dichloropropene	96		98		70-130	2		20
Bromoform	96		94		54-136	2		20
1,1,2,2-Tetrachloroethane	96		92		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	100		97		64-130	3		20
Bromomethane	100		98		39-139	2		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1604988-3 WG1604988-4								
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	110		99		70-130	11		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	95		99		63-130	4		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	86		97		58-148	12		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	93		99		63-138	6		20
4-Methyl-2-pentanone	79		81		59-130	3		20
2-Hexanone	83		88		57-130	6		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	95		94		41-144	1		20
Isopropylbenzene	100		97		70-130	3		20
1,2,3-Trichlorobenzene	100		97		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING

Project Number: C81

Lab Number: L2206926

Report Date: 02/16/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1604988-3 WG1604988-4								
1,2,4-Trichlorobenzene	99		93		70-130	6		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	93		91		70-130	2		20
1,4-Dioxane	84		84		56-162	0		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	95		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	103		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1604755-6 WG1604755-7 QC Sample: L2206926-02 Client ID: MW-13D												
Methylene chloride	ND	50	44	88		46	92		70-130	4		20
1,1-Dichloroethane	ND	50	46	92		49	98		70-130	6		20
Chloroform	ND	50	47	94		49	98		70-130	4		20
Carbon tetrachloride	ND	50	53	106		55	110		63-132	4		20
1,2-Dichloropropane	ND	50	45	90		47	94		70-130	4		20
Dibromochloromethane	ND	50	43	86		46	92		63-130	7		20
1,1,2-Trichloroethane	ND	50	45	90		47	94		70-130	4		20
Tetrachloroethene	ND	50	48	96		50	100		70-130	4		20
Chlorobenzene	ND	50	47	94		48	96		75-130	2		20
Trichlorofluoromethane	ND	50	45	90		47	94		62-150	4		20
1,2-Dichloroethane	ND	50	47	94		49	98		70-130	4		20
1,1,1-Trichloroethane	ND	50	52	104		54	108		67-130	4		20
Bromodichloromethane	ND	50	45	90		48	96		67-130	6		20
trans-1,3-Dichloropropene	ND	50	40	80		41	82		70-130	2		20
cis-1,3-Dichloropropene	ND	50	40	80		41	82		70-130	2		20
Bromoform	ND	50	40	80		43	86		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	50	44	88		47	94		67-130	7		20
Benzene	5.2	50	53	96		55	100		70-130	4		20
Toluene	ND	50	49	98		51	102		70-130	4		20
Ethylbenzene	ND	50	48	96		50	100		70-130	4		20
Chloromethane	ND	50	43	86		45	90		64-130	5		20
Bromomethane	ND	50	14	**28**	Q	13	**26**	Q	39-139	7		20
Vinyl chloride	1200E	50	1200E	**0**	Q	1100E	**0**	Q	55-140	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81
Lab Number: L2206926
Report Date: 02/16/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1604755-6 WG1604755-7 QC Sample: L2206926-02 Client ID: MW-13D												
Chloroethane	ND	50	53	106		54	108		55-138	2		20
1,1-Dichloroethene	1.5J	50	50	100		54	108		61-145	8		20
trans-1,2-Dichloroethene	5.1J	50	52	104		55	110		70-130	6		20
Trichloroethene	ND	50	49	98		49	98		70-130	0		20
1,2-Dichlorobenzene	ND	50	48	96		49	98		70-130	2		20
1,3-Dichlorobenzene	ND	50	47	94		49	98		70-130	4		20
1,4-Dichlorobenzene	ND	50	46	92		47	94		70-130	2		20
Methyl tert butyl ether	ND	50	40	80		42	84		63-130	5		20
p/m-Xylene	ND	100	98	98		100	100		70-130	2		20
o-Xylene	ND	100	96	96		100	100		70-130	4		20
cis-1,2-Dichloroethene	600	50	630	**60**	Q	610	**20**	Q	70-130	3		20
Styrene	ND	100	92	92		96	96		70-130	4		20
Dichlorodifluoromethane	ND	50	36	72		39	78		36-147	8		20
Acetone	ND	50	35	70		42	84		58-148	18		20
Carbon disulfide	ND	50	44	88		46	92		51-130	4		20
2-Butanone	ND	50	35	70		38	76		63-138	8		20
4-Methyl-2-pentanone	ND	50	40	80		43	86		59-130	7		20
2-Hexanone	ND	50	37	74		40	80		57-130	8		20
Bromochloromethane	ND	50	51	102		53	106		70-130	4		20
1,2-Dibromoethane	ND	50	44	88		46	92		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	50	37	74		41	82		41-144	10		20
Isopropylbenzene	ND	50	48	96		49	98		70-130	2		20
1,2,3-Trichlorobenzene	ND	50	41	82		43	86		70-130	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MIDLER AVE GW SAMPLING

Project Number: C81

Lab Number: L2206926

Report Date: 02/16/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1604755-6 WG1604755-7 QC Sample: L2206926-02 Client ID: MW-13D												
1,2,4-Trichlorobenzene	ND	50	42	84		44	88		70-130	5		20
Methyl Acetate	ND	50	42	84		46	92		70-130	9		20
Cyclohexane	ND	50	51	102		52	104		70-130	2		20
1,4-Dioxane	ND	2500	2400	96		2500	100		56-162	4		20
Freon-113	ND	50	48	96		48	96		70-130	0		20
Methyl cyclohexane	ND	50	49J	98		49J	98		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
4-Bromofluorobenzene	94		92		70-130
Dibromofluoromethane	103		102		70-130
Toluene-d8	98		97		70-130

Project Name: MIDLER AVE GW SAMPLING
Project Number: C81

Lab Number: L2206926
Report Date: 02/16/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2206926-01A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-01B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-01C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-02A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-02B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-02C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-02D	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-02E	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-03A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2206926-03B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	MIDLER AVE GW SAMPLING	**Lab Number:**	L2206926
Project Number:	C81	**Report Date:**	02/16/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MIDLER AVE GW SAMPLING	**Lab Number:**	L2206926
Project Number:	C81	**Report Date:**	02/16/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MIDLER AVE GW SAMPLING	**Lab Number:**	L2206926
Project Number:	C81	**Report Date:**	02/16/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	MIDLER AVE GW SAMPLING	**Lab Number:**	L2206926
Project Number:	C81	**Report Date:**	02/16/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 2/10/22

ALPHA Job #: L2206926

Client Information
Client: C&S Engineers
Address:
Phone:
Fax:
Email: wrandall@cscos.com

Project Information
Project Name: Midler Ave GW Sampling
Project Location: Midler Ave, Syracuse, NY
Project #: C81
(Use Project name as Project #) ☐
Project Manager: Wayne Randall
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Sample Specific Comments	Total Bottle
06926-01	MW-15D	2/9/22	1400	GRD	WR	X		
-02	MW-13D		1405	H_2O	WR	X	Limited Quantity of MW-13D	
-02	MW-13D MS		1415		WR	X		
-02	MW-13D MSD		1415		WR	X	Only 5 Vials	
-03	Trip Blank			H_2O	WR	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V											
Preservative	B											

Relinquished By:	Date/Time	Received By:	Date/Time
Wayne Randall	2/9/22 1515	AAL Secure Storage	2/9/22 1515
AAL Secure Storage	2/9/22 1615	AAL	2/9/22 1615
	2/9/22 1615		2/10/22 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2211761
Client:	C&S Companies 499 Col. Eileen Collins Blvd. Syracuse, NY 13212
ATTN:	Wayne Randall
Phone:	(315) 455-2000
Project Name:	MIDLER AVE
Project Number:	C81
Report Date:	03/13/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: MIDLER AVE
Project Number: C81

Lab Number: L2211761
Report Date: 03/13/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2211761-01	MW-10D	WATER	MIDLER AVE, SYRACUSE, NY	03/07/22 09:30	03/07/22
L2211761-02	MW-9D	WATER	MIDLER AVE, SYRACUSE, NY	03/07/22 10:00	03/07/22

Project Name:	MIDLER AVE	**Lab Number:**	L2211761
Project Number:	C81	**Report Date:**	03/13/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: MIDLER AVE
Project Number: C81

Lab Number: L2211761
Report Date: 03/13/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 03/13/22

ORGANICS

VOLATILES

Project Name: MIDLER AVE
Project Number: C81
Lab Number: L2211761
Report Date: 03/13/22

SAMPLE RESULTS

Lab ID: L2211761-01 D
Client ID: MW-10D
Sample Location: MIDLER AVE, SYRACUSE, NY

Date Collected: 03/07/22 09:30
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/22 11:18
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	38		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	18		ug/l	10	2.8	4
Trichloroethene	ND		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: MIDLER AVE **Lab Number:** L2211761

Project Number: C81 **Report Date:** 03/13/22

SAMPLE RESULTS

Lab ID: L2211761-01 D Date Collected: 03/07/22 09:30

Client ID: MW-10D Date Received: 03/07/22

Sample Location: MIDLER AVE, SYRACUSE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	420		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: MIDLER AVE
Project Number: C81
Lab Number: L2211761
Report Date: 03/13/22

SAMPLE RESULTS

Lab ID: L2211761-02
Client ID: MW-9D
Sample Location: MIDLER AVE, SYRACUSE, NY
Date Collected: 03/07/22 10:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/09/22 11:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.14	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MIDLER AVE
Lab Number: L2211761
Project Number: C81
Report Date: 03/13/22

SAMPLE RESULTS

Lab ID: L2211761-02
Client ID: MW-9D
Sample Location: MIDLER AVE, SYRACUSE, NY
Date Collected: 03/07/22 10:00
Date Received: 03/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: MIDLER AVE
Project Number: C81
Lab Number: L2211761
Report Date: 03/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/22 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1614007-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: MIDLER AVE
Project Number: C81

Lab Number: L2211761
Report Date: 03/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/22 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1614007-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: MIDLER AVE
Project Number: C81
Lab Number: L2211761
Report Date: 03/13/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/09/22 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1614007-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE
Project Number: C81

Lab Number: L2211761
Report Date: 03/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1614007-3 WG1614007-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	94		94		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	96		96		70-130	0		20
Chlorobenzene	97		94		75-130	3		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	93		97		54-136	4		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	98		96		70-130	2		20
Ethylbenzene	96		95		70-130	1		20
Chloromethane	89		92		64-130	3		20
Bromomethane	62		62		39-139	0		20
Vinyl chloride	96		96		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: MIDLER AVE
Project Number: C81

Lab Number: L2211761
Report Date: 03/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1614007-3 WG1614007-4								
Chloroethane	99		98		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	90		91		70-130	1		20
1,3-Dichlorobenzene	91		93		70-130	2		20
1,4-Dichlorobenzene	90		92		70-130	2		20
Methyl tert butyl ether	98		100		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	99		100		36-147	1		20
Acetone	**160**	Q	**180**	Q	58-148	12		20
Carbon disulfide	99		98		51-130	1		20
2-Butanone	120		**140**	Q	63-138	15		20
4-Methyl-2-pentanone	95		100		59-130	5		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	84		95		41-144	12		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	85		94		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MIDLER AVE

Project Number: C81

Lab Number: L2211761

Report Date: 03/13/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1614007-3 WG1614007-4								
1,2,4-Trichlorobenzene	89		94		70-130	5		20
Methyl Acetate	120		130		70-130	8		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	120		122		56-162	2		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		105		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	103		105		70-130

Project Name: MIDLER AVE
Project Number: C81

Lab Number: L2211761
Report Date: 03/13/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2211761-01A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2211761-01B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2211761-01C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2211761-02A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2211761-02B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2211761-02C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	MIDLER AVE	**Lab Number:**	L2211761
Project Number:	C81	**Report Date:**	03/13/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MIDLER AVE	**Lab Number:**	L2211761
Project Number:	C81	**Report Date:**	03/13/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	MIDLER AVE	**Lab Number:**	L2211761
Project Number:	C81	**Report Date:**	03/13/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	MIDLER AVE	**Lab Number:**	L2211761
Project Number:	C81	**Report Date:**	03/13/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page ___ of ___

Date Rec'd in Lab: 3/8/22

ALPHA Job #: L2211761

Project Information
Project Name: Milder Ave
Project Location: Milder Ave, Syracuse, NY
Project #: C81
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Client Information
Client: C&S Engineers
Address: 499 Col. Eileen Collins
Syracuse, NY
Phone:
Fax:
Email: Wrandall@cscos.com

Turn-Around Time
Standard ☒
Rush (only if pre approved) ☐
Due Date:
# of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL VOCs	[struck through]							Sample Specific Comments	Total Bottles
11761 - 01	MW-10D	3/7/22	930	H2O	WR	X	X								
02	MW-9D	"	1000	H2O	WR	X	X								

Preservative Code:	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A						
Preservative	B	B						

Relinquished By:	Date/Time	Received By:	Date/Time
Wayne Randall	3/7/22 1000	AAL Secure Storage	3/7/22 1000
AAL Secure Storage	3/7/22 1505	[signature] AAL	3/7/22 1505
		Wendy Manning	3/8/22 00:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Appendix E

SSDS Layout and Inspection/Operational Documentation and Property Inspection Forms

EF-6

EF-8

EF-5

EF-7

EF-10

EF-4

EF-9

EF-3

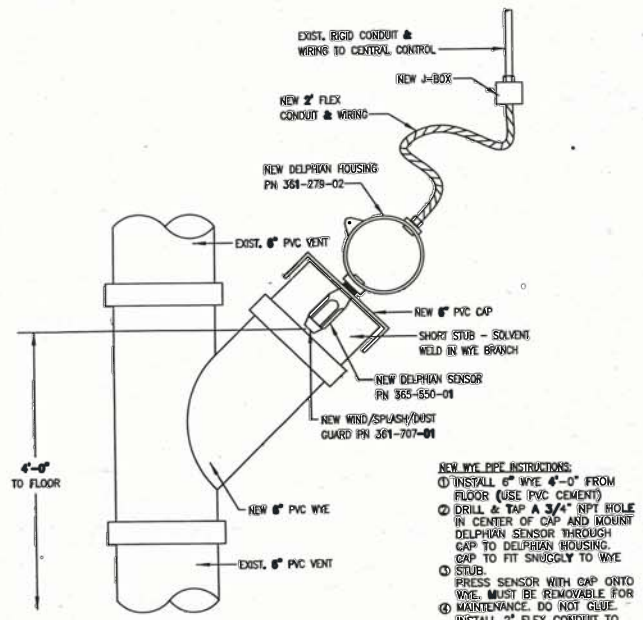
EF-2

1 SUBSLAB VENTILATION PLAN
SS-1 SCALE 1" = 20'-0"

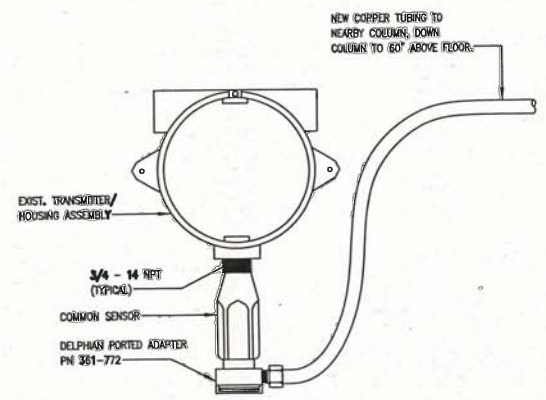
FLAG NOTES

1. 4" Schedule 40 PVC perimeter pipe perimeter.
2. 3" Schedule 40 PVC perforated pipe lateral.
3. 6" Schedule 80 PVC pipe riser with methane gas detector at 24" AB. Floor and Exhaust Fan between bar joists. See Detail 6-G Sheet SS-2.
4. Ceiling mounted methane gas detector, See Detail 3 this sheet
5. Wall mounted methane gas detector 24" above floor.
6. Control module in NEMA 4X panel on wall at 5'-0" above floor.
7. Horn and Strobe at 15 feet above floor
8. Alarm light
9. Vacuum monitoring point in floor, see detail sheet SS-2.

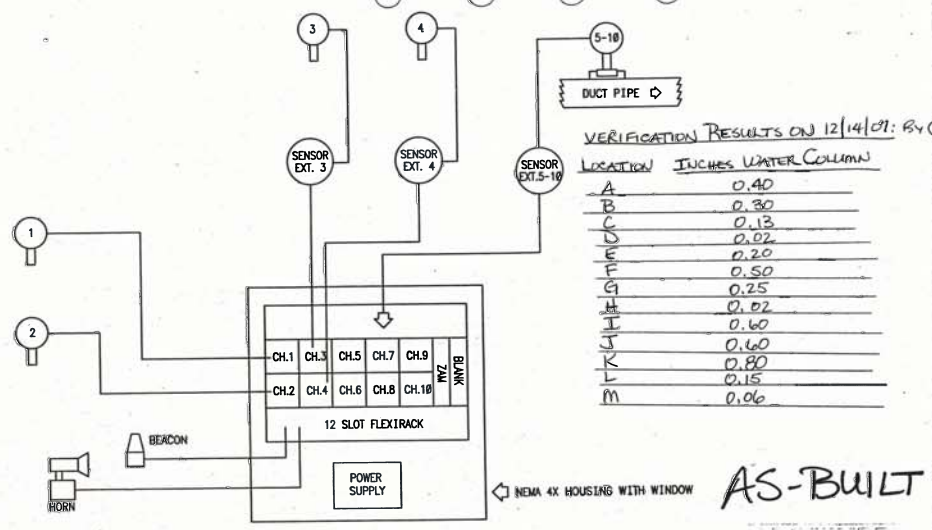
NOTE:
COORDINATE ALL WORK WITH THE FOUNDATION LOCATIONS AND WITH OTHER TRADES.



2 DUCT SENSOR INSTALLATION DETAIL
SS-1 SCALE NONE



3 CEILING MOUNTED DETECTORS IN SALES AREA
SS-1 SCALE NONE



VERIFICATION RESULTS ON 12/14/09: BY (SRT)

LOCATION	INCHES WATER COLUMN
A	0.40
B	0.30
C	0.12
D	0.02
E	0.20
F	0.50
G	0.25
H	0.02
I	0.60
J	0.60
K	0.80
L	0.15
M	0.06

AS-BUILT

JAN 11 2008

GAS DETECTION SYSTEM
NOT TO SCALE

REVISIONS

DATE	DESCRIPTION
11-14-07	1

ELECTRO-MECH ENGINEERING, INC.
3511 High Street NE
Canal Fulton, Ohio 44614-1158
(330) 854-0347 (voice) (330) 854-0492 (fax)
1-877-277-8849 (toll free)
design@electro-mech-engineers.com

DeWolff Partnership ARCHITECTS LLP

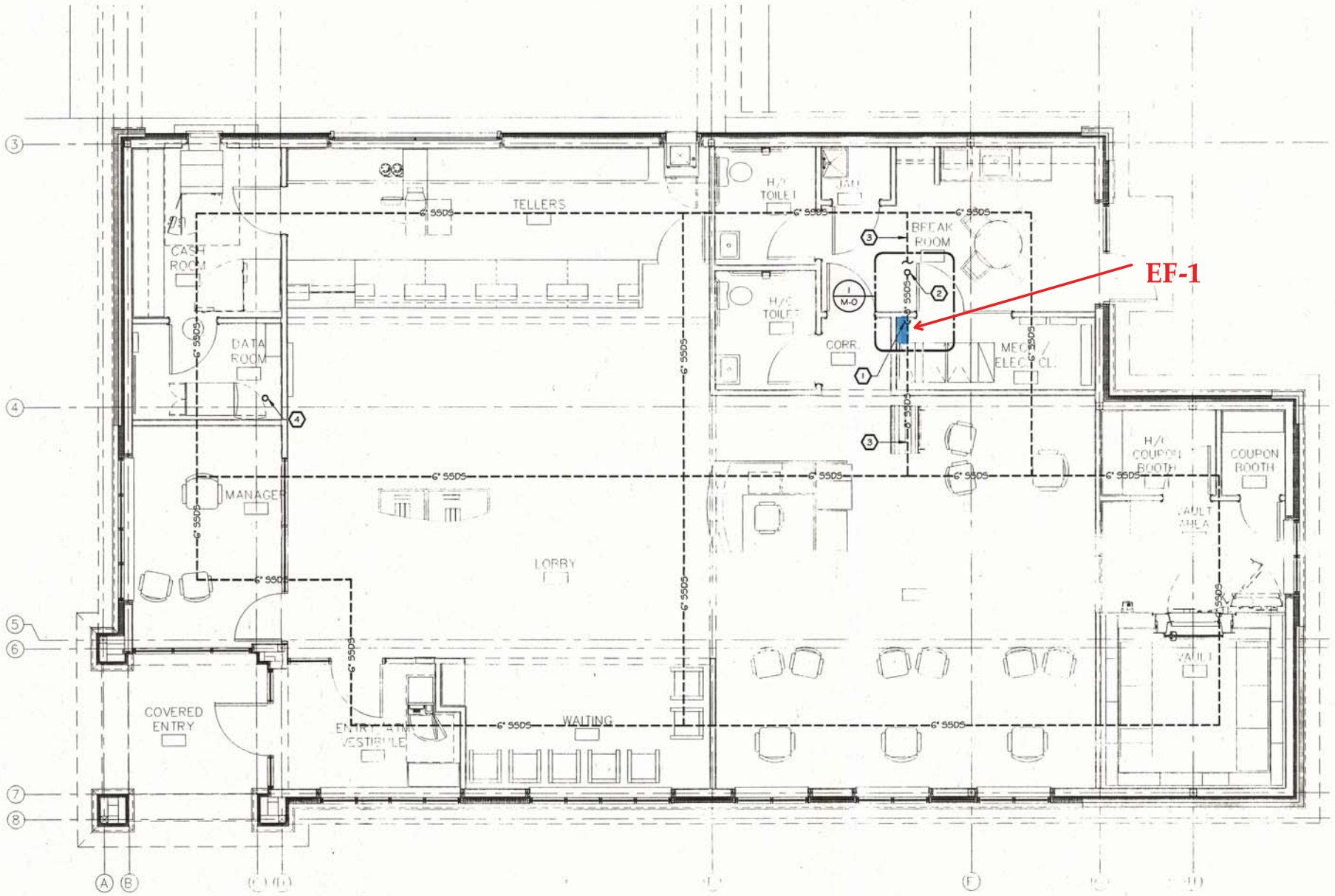
SUBSLAB VENTILATION PLAN

LOWE'S OF SYRACUSE
SYRACUSE, NEW YORK

PROJECT: 08-007 DRAWN BY: EME CHECKED BY: EME

CRITERIA ISSUE DATE:	09.01.06
PERMIT SET ISSUE DATE:	03.16.07
CONSTRUCTION SET ISSUE DATE:	
DRAWING NUMBER:	SS-1

116WSS01 03.30.04



PROJECT NORTH

1 SUB-SLAB PIPING PLAN
1/4" = 1'-0"

KEYED NOTES:

1. 6" SCHEDULE 40 PVC SUB-SLAB DEPRESSURIZATION SYSTEM RISER.
2. 6" SSDS PIPING UP. REFER TO DRAWING M-2 FOR CONTINUATION OF PIPING.
3. 6" SSDS COLLECTION HEADER SHALL BE NON-PERFORATED.
4. VACUUM MONITORING POINT CONSISTING OF 3/8" TUBE AND RUBBER CORK. TUBE SHALL EXTEND 2" BELOW VAPOR BARRIER. REFER TO 5/M-0.

GENERAL DRAWING NOTES:

A. CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH CONCRETE FLOOR SLAB AIR-TIGHT WITH STEGO INDUSTRIES PRODUCTS UTILIZED IN ACCORDANCE WITH STEGO INDUSTRIES PROCEDURES AND RECOMMENDATIONS.

DEC 19 2007

NEW BRANCH
AT
MIDLER CROSSING
MIDLER AVENUE, CITY OF SYRACUSE
NEW YORK
ONONDAGA COUNTY
OF
SEFCU

NO.:	REVISION:	DATE:
1		00/00/01
2		/ /
3		/ /
4		/ /
5		/ /
6		/ /
7		/ /
8		/ /

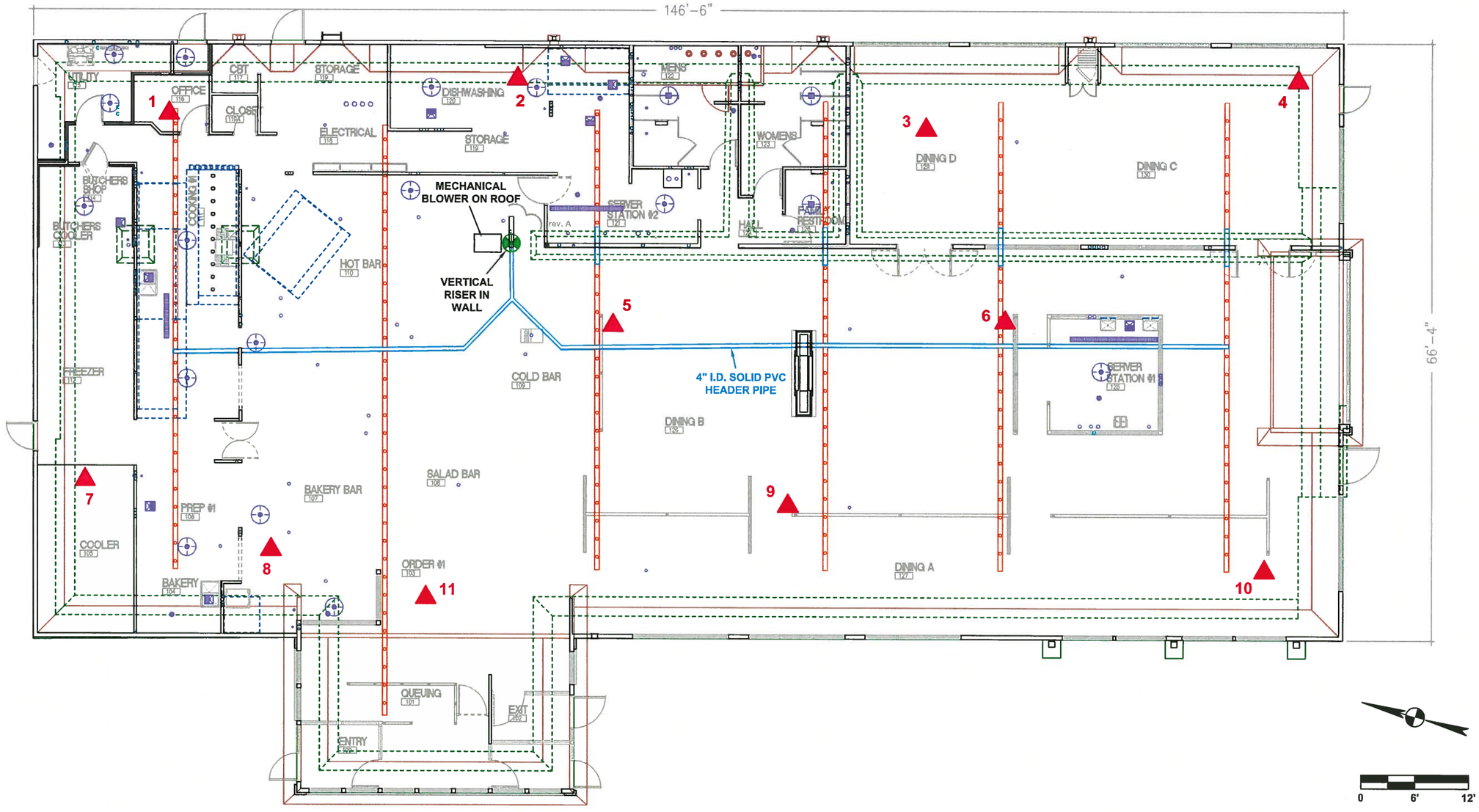
Argus Engineering, PLLC
Hogan Block 251 West Fayette Street Syracuse, NY 13202
Phone: 315-475-6061 Fax: 315-475-6071

SCALE: AS SHOWN | DRWN / CHCK: EMD/GLL | DATE: 07-10-07

SHEET TITLE:
SUB-SLAB
PIPING PLAN

AS-BUILT

SHEET NO.:
M-1



LEGEND:

1-11 — PRESSURE FIELD TEST POINT

REPRESENTS VERTICAL PIPES AND DRAINS. (SEE PLUMBING PLANS)

FOOTINGS AND FOUNDATION (SEE STRUCTURAL DRAWINGS)

THICKENED FLOOR SLAB (SEE STRUCTURAL DRAWINGS)

LEGEND:

4" I.D. SCHEDULE 40 PVC VERTICAL EXHAUST RISER (TO MECHANICAL BLOWER) (ONE LOCATION)

4-INCH I.D. SCHEDULE 40 PVC SOLID HEADER PIPE FOR SUB-SLAB DEPRESSURIZATION, PLACED BENEATH LINER

4" I.D. SCHEDULE 40 PVC PERFORATED PIPE

GILES ENGINEERING ASSOCIATES, INC.
514 PROGRESS DRIVE, SUITE J
LINTHICUM, MD 21090 (410)636-9320

FIGURE 1
PRESSURE FIELD TEST LOCATION MAP
GOLDEN CORRAL BUFFET & GRILL
115 SIMON DRIVE
SYRACUSE, NEW YORK

DESIGNED	DRAWN	SCALE	DATE	REVISED
KTB/KCM	JSZ	approx. 1"=12'	02-01-19	--

PROJECT NO.: 3E-1808002 | CAD No. 3E1808002A

DATE: 01/02/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F O'Bryan
(Print Name)

David F O'Bryan
(Signature)

DATE: 01/09/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	~1	
3	~1	
4	~1	
5	~1	
6	~1	
7	~1	
8	~1	
9	~1	
10	~1	
1		~1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David T. O'Brien
(Print Name)

David T. O'Brien
(Signature)

DATE: 01/16/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 1/24/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 8/29/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O. O'Brien
(Print Name)

David O'Brien
(Signature)

DATE: 02/05/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David E. O'Brien
(Print Name)

David O'Brien
(Signature)

DATE: 02/14/00

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 02/19/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

David F. O'Bryan
(Signature)

DATE: 2/26/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-2	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Brien
(Print Name)

(Signature)

DATE: 3/6/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F O'Brien
(Print Name)

(Signature)

DATE: 03/12/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

David O'Bryan
(Signature)

DATE: 3/20/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Corey Howson
(Print Name)

(Signature)

DATE: 3/26/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Corey Henson
(Print Name)

(Signature)

DATE: 4/3/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Corey Howard
(Print Name)

(Signature)

DATE: 4/9/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

(Print Name)

(Signature)

DATE: 4/16/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Corey Hewson
(Print Name)

(Signature)

DATE: 4/23/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Hodson
(Print Name)

(Signature)

DATE: 5/7/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

(Print Name)

(Signature)

DATE: 5/15/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howson
(Print Name)

(Signature)

DATE: 5/21/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Henson
(Print Name)

(Signature)

DATE: 5/28/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howsare
(Print Name)

(Signature)

DATE: 6/4/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Cory Howson
(Print Name)

(Signature)

DATE: 6/12/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 _____
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Henson
(Print Name)

(Signature)

DATE: 6/18/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howland
(Print Name)

(Signature)

DATE: 6/25/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

(Print Name)

(Signature)

DATE: 7/9/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Cory Hayden
(Print Name)

(Signature)

DATE: 7/16/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Henson
(Print Name)

(Signature)

DATE: 7/20/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 _____
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Hevron
(Print Name)

(Signature)

DATE: 7/30/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Gary Howson
(Print Name)

(Signature)

DATE: 8/4/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Cory Hayden
(Print Name)

(Signature)

DATE: 8/6/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

(Print Name)

(Signature)

DATE: 8/20/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howard
(Print Name)

(Signature)

DATE: 8/27/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

(Print Name)

(Signature)

DATE: 9/4/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howson
(Print Name)

(Signature)

DATE: 9/10/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howden
(Print Name)

(Signature)

DATE: 9/19/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Henson
(Print Name)

(Signature)

DATE: 9/25/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howson
(Print Name)

(Signature)

DATE: 10/7/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F O'Bryan
(Print Name)

(Signature)

DATE: 10/15/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-(	
3	-(	
4	-(	
5	-(	
6	-1	
7	-(	
8	-1	
9	-(	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 10/23/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O Bryan
(Print Name)

(Signature)

DATE: 10/29/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Brien
(Print Name)

(Signature)

DATE: 11/4/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	~1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 11/12/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Brien
(Print Name)

(Signature)

DATE: 11/20/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-.6	1 -.1
3	-.1	
4	-.1	
5	-.1	
6	-.1	
7	-.1	
8	-.1	
9	-.1	
10	-.1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 11/25/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	
1		-/

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 12/2/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

David F O'Bryan
(Signature)

DATE: 12/11/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David E. O'Brien
(Print Name)

(Signature)

DATE: 12/16/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Dave O'Brien
(Print Name)

David D'Agostino
(Signature)

DATE: 12/30/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.8	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Brien
(Print Name)

(Signature)

DATE: 1/4/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 _____
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Gary Heiden
(Print Name)

(Signature)

DATE: 01/08/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David K. O'Bryan
(Print Name)

(Signature)

DATE: 01/15/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

David O'Bryan
(Signature)

DATE: 1/20/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

(Signature)

DATE: 01/29/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.8	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. Bryan
(Print Name)

(Signature)

DATE: 2/5/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-.09	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Corey Henson
(Print Name)

(Signature)

DATE: 4/11/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F. O'Bryan
(Print Name)

(Signature)

DATE: 02/18/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

(Signature)

DATE: 2/25/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

D O'Bryan
(Print Name)

(Signature)

DATE: 03/05/2-

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David S Bryan
(Print Name)

(Signature)

DATE: 03/12/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

David H O'Bryan
(Signature)

DATE: 3/19/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

(Signature)

DATE: 3/26/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

(Signature)

DATE: 04/02/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.6
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

David O'Bryan
(Signature)

DATE: 04/08/2(

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Dave O'Bryan
(Print Name)

David O'Bryan
(Signature)

DATE: 04/16/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Brien
(Print Name)

(Signature)

DATE: 04/22/26

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1
3	-1.0	
4	-1.0	
5	-1.6	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F O'Bryan
(Print Name)

David F O'Bryan
(Signature)

DATE: 04/29/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.9	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

David A. Bryan
(Signature)

DATE: 05/3/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.8	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David F O'Brien
(Print Name)

David F O'Brien
(Signature)

DATE: 5/14/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-.08	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Cory Herrsw
(Print Name)

(Signature)

DATE: 05/21/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.8	1 -1
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

David O'Bryan
(Signature)

DATE: 05/27/10

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-0.8	1 -1.0
3	-1.0	
4	-1.0	
5	-1.0	
6	-1.0	
7	-1.0	
8	-1.0	
9	-1.0	
10	-1.0	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

David O'Bryan
(Print Name)

(Signature)

DATE: 6/2/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 6/9/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 6/15/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 6/22/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 6/29/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 7/7/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 7/15/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

(Print Name) (Signature)

DATE: 7/23/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 7/29/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 8/5/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 8/13/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 8/20/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 8/30/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 9/9/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 9/15/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 9/21/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Hewson
(Print Name)

(Signature)

DATE: 9/29/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 10/8/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 10/14/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Howard
(Print Name)

(Signature)

DATE: 10/18/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 10/27/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 11/4/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 11/11/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-.03	
5	-.09	
6	-1	
7	-1	
8	-1	
9	-1	
10	-.08	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:
Greg has ordered fans from Johnstone. When the fans come in I will meet PowerCom at LOWES

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

JOHNSTONE SUPPLY

Remit Address:
77 Halstead Street, Suite 3
Rochester, NY 14610-1955
585-441-0339
585-482-2789 Fax
AR141@JohnstoneSupply.com

Rochester
95 Halstead Street
Rochester, NY 14610-1955
585-482-6000
585-482-6090 Fax
Store141@JohnstoneSupply.com

Syracuse
835 Canal Street
Syracuse, NY 13210-1161
315-479-8600
315-479-8600 Fax
Store269@JohnstoneSupply.com

INVOICE

Sold To

PIONEER COMPANIES
333 WEST WASHINGTON ST
SUITE 600
SYRACUSE NY 13202-6103

Ship To

PIONEER COMPANIES
333 WEST WASHINGTON ST
SUITE 600
SYRACUSE NY 13202-6103

Customer #	Order Date	Sales Order #	Buyer	Customer P/O #	Ship Via	Salesman
0006641	11/12/2021	2052486	GREG 439-9780	1651	WILL CALL	201

Invoice #	Invoice Date	Ship Date	Freight Terms	Job Number	Terms
2052486	11/23/2021	11/23/21	PREPAID		NET 30 DAYS

LN	QNTY ORD	QNTY SHIP	QNTY B/O	PRODUCT NUMBER	DESCRIPTION	UOM	NET PRICE	EXTENSION
1	3	3		X81-999	FG6 FAN IN LINE CENTRIFUGAL	EA	220.13	$660.39

1660

52440 12/16

Signature Proof of Delivery:

11/23/21 08:28

NYS Contract #: PC67222
Group: 39000 Ind & Comm Splys & Eqpt
NYS Vendor ID: 1000008135

Terms & Conditions
Merchandise Returns may be subject to a restock charge.
No return for electrical items, special orders, installed parts, or parts older than 90 days.

Merchandise	660.39
Freight	0.00
Misc Charges	0.00
Sub Total	660.39
Taxable	660.39
Tax (3121)	52.83
TOTAL	$713.22

Sent Copy Pay By 12/23/2021 Writer: CG

DATE: 11/19/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-.03	
5	-.09	
6	-1	
7	-1	
8	-1	
9	-1	
10	-.08	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 11/26/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Tony Newton
(Print Name)

(Signature)

DATE: 12/1/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
1		-1
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 12/8/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-/	1 -/
3	-/	
4	-/	
5	-/	
6	-/	
7	-/	
8	-/	
9	-/	
10	-/	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Henrow
(Print Name)

(Signature)

DATE: 12/10/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 12/16/20

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	1 -1
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

(Print Name)

(Signature)

DATE: 12/22/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 12/30/21

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Gary Hawkins
(Print Name)

(Signature)

DATE: 3/2/22

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	
1		-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 11/23/22

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #	LOWE'S	SEFCU
1		-1
2	-1	
3	-1	
4	-1	
5	-1	
6	-1	
7	-1	
8	-1	
9	-1	
10	-1	

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Ryan Hamilton
(Print Name)

(Signature)

DATE: 10/7/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .20

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Honcoy
(Print Name)

(Signature)

DATE: 10/14/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .20

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Henson
(Print Name)

(Signature)

DATE: 10/21/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .20

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Hanson
(Print Name)

(Signature)

DATE: 10/28/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .22

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Greg Hanson
(Print Name)

(Signature)

DATE: 11/4/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .22

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Guy Hanson
(Print Name)

(Signature)

DATE: 4/11/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .20

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Gary Hansen
(Print Name)

(Signature)

DATE: 11/18/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .21

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Gary Hanson
(Print Name)

(Signature)

DATE: 11/22/22

Golden Corral

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

#1 1.5 #2 .20

*The above measurements are in "inches of water" taken from Dwyer Series 2000.

COMMENTS:

INSPECTED BY:

Cory Hewson
(Print Name)

(Signature)

SHOPPING CENTER
PROPERTY INSPECTION

PROPERTY NAME Midtown Crossing
PROPERTY NO. 1650

Inspected By [signature]
Date 4/19/19
Approved [signature] property Manager

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

All in good Shape & Repair

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).

All Areas in good Repair

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

Well marked at time of inspection

D. Fire Lanes and Handicapped Parking (properly marked & signed).

Well Marked

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

Operational or in good Repair

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

All areas well maintained

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

All areas in good Condition

J. Striping (condition of paint, areas to be relined, skip next year).

All areas in good Repair

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

All areas well maintained

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

SHOPPING CENTER PROPERTY INSPECTION

PROPERTY NAME Midtown Crossing

PROPERTY NO. 1650

Inspected By AW

Date 10/18/09

Approved [signature] Property manager

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

No Pot Holes or Trip Hazards noted

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).

All areas in good shape

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

All Hydrants painted & visible

D. Fire Lanes and Handicapped Parking (properly marked & signed).

Fire Lanes & Handicapped Spots visible

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

All lighting operational at time of inspection

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

All areas are well groomed

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

All curbs in good condition

J. Striping (condition of paint, areas to be relined, skip next year).

All noted in good repair

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

All areas well maintained

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

SHOPPING CENTER
PROPERTY INSPECTION

PROPERTY NAME Midlee Crossing
PROPERTY NO. 1650

Inspected By [signature]
Date 4/10/20
Approved [signature] property Manager

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

Area in good shape At time of inspection

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).

In good Shape

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

Well marked & accessible

D. Fire Lanes and Handicapped Parking (properly marked & signed).

Properly Marked

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

All lighting operational At time of inspection

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

Well maintained

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

Well maintained

J. Striping (condition of paint, areas to be relined, skip next year).

All in good condition

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

Well MAINTAINED

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

SHOPPING CENTER
PROPERTY INSPECTION

PROPERTY NAME Miller Crossing
PROPERTY NO. 1650

Inspected By A. K property manager
Date 10/9/20
Approved

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).
Parking lot in good condition

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).
all areas in good condition

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).
All in good condition

D. Fire Lanes and Handicapped Parking (properly marked & signed).
Well marked

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).
N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).
all lighting operational

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).
N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

Well Maintained

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

Well maintained

J. Striping (condition of paint, areas to be relined, skip next year).

All in good shape at time of inspection

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

Well maintained

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

SHOPPING CENTER
PROPERTY INSPECTION

PROPERTY NAME Midler Crossing
PROPERTY NO. 1650

Inspected By [signature] Property Manager
Date 4/16/21
Approved [signature]

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

No trip Hazards in good repair

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).

All areas in good condition

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

Painted & visible

D. Fire Lanes and Handicapped Parking (properly marked & signed).

Well marked

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

Operational & in good repair

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

Well maintained

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

All areas in good Repair

J. Striping (condition of paint, areas to be relined, skip next year).

All in good Shape

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

Well maintained

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

SHOPPING CENTER
PROPERTY INSPECTION

PROPERTY NAME Midtown Crossing
PROPERTY NO. 1650

Inspected By [signature] Property Manager
Date 10/16/21
Approved [signature]

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

All areas in good repair

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).

All in good repair

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

Clearly marked

D. Fire Lanes and Handicapped Parking (properly marked & signed).

Clearly Marked

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

Operational and in good shape

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

Well maintained

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

all in good shape

J. Striping (condition of paint, areas to be relined, skip next year).

All in good repair

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

Well maintained

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

SHOPPING CENTER
PROPERTY INSPECTION

PROPERTY NAME Miller Crossing

PROPERTY NO. _____

Inspected By S. M

Date 4/18/22

Approved Amy M Property Manager

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

All in good Repair

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).

All Areas in good Repair

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

Well marked at time of inspection

D. Fire Lanes and Handicapped Parking (properly marked & signed).

Well Marked

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

Operational & in good Repair

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

All Areas well maintained

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

All Areas in good condition

J. Striping (condition of paint, areas to be relined, skip next year).

All areas in Good Repair

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

All areas Well maintained

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

SHOPPING CENTER
PROPERTY INSPECTION

PROPERTY NAME Miller Crossing
PROPERTY NO. ____

Inspected By AGM
Date 10/20/22
Approved ~~Property~~ Manager

I. Exterior: Site ~~& Building~~ LOT CONDITION ONLY

* A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

All in good Shape

B. Storm Water Drainage (catch basins, swails, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins).

All in good Repair

C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

Well marked

D. Fire Lanes and Handicapped Parking (properly marked & signed).

Well marked

* E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

* F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

Operational & in Good Repair

G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

*Monthly Inspection

* H. Buffer Areas (properly cut, debris removed).

All Areas Well Maintained

* I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

All areas in good condition

J. Striping (condition of paint, areas to be relined, skip next year).

All areas in good Repair

* K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

N/A

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

* N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

All areas well maintained

* O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

* P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

Appendix F

Approve Corrective Measures Work Plan - October 2022

C&S Engineers, Inc.
499 Col. Eileen Collins Blvd
Syracuse, New York 13212

Corrective Measures Work Plan

Midler City Industrial Park – Site No. C734103
621 South Midler Avenue, Syracuse, NY

Prepared for:
Pioneer Midler LLC
333 West Washington Street
Suite 600
Syracuse, NY 13202

October 21, 2022

TABLE OF CONTENTS

Acronyms and Abbreviations

Name	Description
CM	Corrective Measure
CMWP	Corrective Measures Work Plan
DER	Division of Environmental Remediation
EC	Engineering Control
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Heath
SMP	Site Management Plan
SSDS	Sub-slab depressurization system

1. INTRODUCTION

On behalf of Pioneer Midler Avenue, LLC (Pioneer), C&S Engineers, Inc. (C&S) has prepared this Corrective Measures Work Plan (CMWP) for the Midler City Industrial Park - Site No. C734103 (the "Site"). During the Periodic Review process, a deficiency was identified during the verification of normal operating status of the Golden Corral restaurant's SSDS system. As such, this CMWP is developed in accordance with paragraphs 6.3(a) 6 and 7 of New York State Department of Environmental Conservation's (NYSDEC) Division of Environmental Remediation (DER)-10 "Technical Guidance for Site Investigation and Remediation", effective 18 June 2010.

This CMWP was prepared to address repairs to Golden Corral sub-slab depressurization system (SSDS).

2. BACKGROUND

2.1 Site Description

The Midler City Industrial Park site encompasses approximately 22 acres and is located in the eastern portion of the City of Syracuse, as shown on Figure 1. Further detail concerning the property boundary is shown on Figure 2.

Developed as an industrial facility in the late nineteenth century and utilized as such through the mid-twentieth century, the Midler City Industrial Park is relatively flat and is bounded as follows:

- North by Interstate Route 690
- East by undeveloped property owned by the City of Syracuse
- South by property owned by CSX Transportation
- West by Midler Avenue

Currently, a Lowe's home center, a branch of SEFCU bank, and the Golden Corral restaurant occupy much of the site.

2.2 Regulatory Background

Residual subsurface contamination remained after completion of the IRM performed under the Brownfield Cleanup Program. Engineering Controls (ECs) were incorporated into the site remedy to provide proper management of this contamination to ensure protection of public health and the environment. A site-specific Environmental Easement (a form of Institutional Control or IC) has been recorded with the Onondaga County Clerk that provides an enforceable means to ensure the continued and proper management of residual contamination and protection of public health and the environment. It requires strict adherence to ICs and ECs placed on this Site by NYSDEC by the grantor of the Environmental Easement and any and all successors and assigns of the grantor.

As described in the December 2007 Site Management Plan (SMP), as approved by NYSDEC, the following site-specific ECs have been implemented.

- *Sub-slab depressurization systems (SSDSs)* - SSDSs have been installed and maintained on the Lowe's home center, SEFCU branch building, and the Golden Corral restaurant.

- *Public Water Supply* - The site and surrounding properties receive their domestic water from municipal service connections supplied by the City of Syracuse. The source of the municipal water supply is surface water from Skaneateles Lake, Otisco

Lake, and Lake Ontario. All current buildings on the property are connected to and obtain potable water from the municipal water supply described above. Currently there are no other known buildings or users of water on the site.

- *Paved and concrete surfaces* - To the extent reasonable, surfaces outside of the building footprints were paved or covered with conventional asphalt or concrete. Areas beneath the asphalt and/or concrete pavement received one foot of clean Type 1 or 2 crushed limestone from an approved quarry (i.e., T. H. Kinsella, Hansen). Areas beyond the footprint of the buildings and limits of paved areas received either a combination of clean crushed limestone fill, and/or clean topsoil to a depth of one foot. The clean crushed limestone fill and/or topsoil has been maintained to avoid direct contact with pre-existing urban fill material and native soils. This cover system must me adequately protected, maintained and repaired, as necessary.

The SSDS EC, specifically the blower located on the roof of the Golden Corral restaurant and part of the SSDS system, is the subject of this CMWP.

3. CORRECTIVE MEASURES

The 2022 Periodic Review Report (PRR) was due on March 31, 2022; however a two-month extension to May 31, 2022 was granted by the Department on April 2, 2022. During a site inspection on April 25, 2022, it was determined that the Golden Corral sub-slab depressurization system (SSDS) blower was not running. As a result, Pioneer retained a mechanical contractor to assess the blower to determine the reason for its failure. Due to difficulties reaching the new property owner, access to the system was not provided for this assessment until May 2022. Due to these issues, the DEC requested that a CMWP be submitted.

3.1 Corrective Measures - Implemented

The following CMs have occurred to address repairs for the Golden Corral SSDS identified during the annual Site inspection on April 25, 2022:

- A replacement blower motor (same make and model as original blower) was installed and made operational. The operation was confirmed by C & S on August 5, 2022. Following inspection, replacement, and installation of the new blower motor for the SSDS system, the system was started in general accordance with the SMP.
- The SSDS system at the Golden Corral facility was inspected on August 23, 2022 to confirm that sufficient negative pressure was achieved with the replacement blower. The magnehelic gauges located on the proximal and distal ends of the sub-slab extraction lateral indicated negative pressures of -1.5 inches water column at the proximal end (nearest the blower), and -0.15 inches water column at the distal (south) end of the lateral. These levels are comparable to the initial design readings, as recorded by Giles Engineering in January 2019, of the proximal gauge reading of -1.46 "wc and the distal end reading of -0.07 "wc. At those initial operational conditions, it was verified through pressure field extension testing that an adequate negative pressure was achieved beneath the entire building slab.

3.2 Corrective Measures - Planned

Also, as part of the CMWP, modifications to the existing SMP will include the following:

- Pioneer will continue weekly inspections of all SSDS systems associated with the site, including the system at the Golden Corral restaurant. These weekly inspections will be recorded on a field log that documents field observations and pressure differential readings taken from monitoring devices within each building.
- If abnormal readings are recorded during a weekly inspection of any of the SSDSs,

NYSDEC and NYSDOH will be notified within 24-hours.

- If the design vacuum cannot be achieved, indoor air samples will be collected from the main floor of the affected Site building to verify the efficacy of the SSDS. The number and location of indoor air samples will be based upon the observed propagation by the system and reviewed with NYSDEC prior to conducting the sampling. Indoor air concentrations will be compared to the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York. If indoor air concentrations are reported below their respective Air Guideline Values, then no further action will be necessary. If indoor air concentrations exceed their respective Air Guideline Values, then additional assessment of the system will be conducted in coordination with NYSDEC.
- Following implementation of the CMs, a memorandum will be prepared and submitted to NYSDEC summarizing the activities and monitoring results, as applicable. Upon completion of the CMs, the Periodic Review Report will be resubmitted with certification.

4. CERTIFICATION

I, H. Nevin Bradford, certify that I am currently a NYS registered professional engineer and that this Corrective Measures Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Professional Engineer: H. Nevin Bradford, III, P.E.

Date: October 21, 2022

Appendix G

Institutional and Engineering Controls Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C734103

Site Name Midler City Industrial Park

Site Address: 621 S. Midler Ave. (aka 701 Nichols Ave.) Zip Code: 13206
City/Town: Syracuse
County: Onondaga
Site Acreage: 21.720

Reporting Period: March 01, 2019 to September 30, 2022

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☒	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. C734103 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Controls
033.1-01-01.3	Pioneer Midler Avenue, LLC	Site Management Plan Ground Water Use Restriction Soil Management Plan

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel	Owner	Institutional Controls
033.1-01-01.4	SGC VIA TAVDI, LLC	Site Management Plan Ground Water Use Restriction Soil Management Plan

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel	Owner	Institutional Controls
033.1-01-01.5	Pioneer Midler Avenue, LLC	Site Management Plan Ground Water Use Restriction Soil Management Plan

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel	Owner	Institutional Controls
033.1-01-01.6	Pioneer Midler Avenue, LLC	Site Management Plan Ground Water Use Restriction Soil Management Plan

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel	Owner	Institutional Controls
033.1-01-01.7	Pioneer Midler Avenue, LLC	Ground Water Use Restriction Soil Management Plan Site Management Plan

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel	**Owner**	**Institutional Controls**
033.1-01-02.4	Lowes Home Centers, Inc.	Site Management Plan Ground Water Use Restriction Soil Management Plan

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel	**Owner**	**Institutional Controls**
033.1-01-20.0	Pioneer Midler Avenue, LLC	Site Management Plan Ground Water Use Restriction Soil Management Plan

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP; the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iii) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(iv) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Box 4

Description of Engineering Controls

Parcel	Engineering Control
033.1-01-01.3	Vapor Mitigation Cover System
033.1-01-01.4	Vapor Mitigation Cover System
033.1-01-01.5	Vapor Mitigation Cover System
033.1-01-01.6	Vapor Mitigation Cover System
033.1-01-01.7	Vapor Mitigation Cover System
033.1-01-02.4	Vapor Mitigation Cover System
033.1-01-20.0	Vapor Mitigation Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C734103

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Mark W Roney (print name) at 333 W. Washington St. Syracuse NY 13202 (print business address)

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

11/29/22
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Wayne Randall (print name) at C&S Engineers, Inc. (print business address),

am certifying as a Qualified Environmental Professional for the Pioneer Midler Avenue, LLC (Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date