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June 8, 2021

Mr. Bradley S. Nave
Principal Project Manager
The Chemours Company, FC, LLC
c/o AECOM
500 West Jefferson Street
Suite 1600
Louisville, KY 40202

**Re: 2020 Site Investigation Summary
Former DuPont Barksdale Works Site
FID No.: 804009140
BRRTS No. 02-04-000156**

Dear Mr. Nave:

This letter provides a summary of site investigation work conducted in 2020 at the Former E.I. du Pont de Nemours and Company (DuPont) Barksdale Works site (Figures 1 and 2). The information is provided for your communication to the Wisconsin Department of Natural Resources (WDNR) so that The Chemours Company, FC, LLC (Chemours) may fulfill the WDNR's request for annual summary reports detailing field work conducted at the site.

The site characterization efforts conducted during the 2020 field season (July 6 through November 10, 2020) included:

- Delineation of subsurface residual solid product (RSP) and process-related residuals.
- Groundwater sampling.
- Surface water and sediment sampling.
- Debris screening.
- RSP removal.

A portion of soil removed as part of the investigative efforts was incorporated into the pilot-scale bio-remediation evaluation to further understand the mechanisms for biodegradation and pH-controlled reduction of site-related constituents. This work and associated waste management tasks is reported in Waste Management Progress Report No. 9, dated June 1, 2021.

The 2020 investigation areas are indicated on Figures 3 through 7. The overall scope of work related to each of these efforts is summarized in the following paragraphs.

1.0 DELINEATION OF RESIDUAL SOLID PRODUCT AND PROCESS RESIDUALS IN THE SUBSURFACE

Residual solid product (RSP) has been found at former production buildings and ditches during past investigation work. Blast-shielded excavation equipment is used to open excavations and the exposed area is screened with amplifying fluorescent polymer field screening (FIDO[®]) combined with qualitative confirmation by colorimetric identification spray (Expray[®]) to identify the presence of nitroaromatic and nitramine organic compounds (NNOCs). Confirmation soil samples are collected and submitted to an independent analytical laboratory for analysis following field screening.

When conducting delineation excavations, field crews screen the soil through visual inspection and the use of FIDO® and Expray® along the proposed excavation surface. Non-sparking hand tools are utilized to investigate detections and remove solid RSP that is encountered. Once the field screening results are evaluated, a shielded excavator is used to remove a thin layer of soil (1- to 6-inches deep) from the work area and screening/hand investigation is repeated on the newly exposed surface. This process continues until undisturbed native soil is encountered. If the excavation depth exceeds 3.5 feet (ft.), soils are typically first brought to the surface by the excavator and then screened or the area is benched appropriately to allow access by field staff.

In 2020, the investigation focused on a former production area in the northeastern portion of the site (Use Area PAJ) at the following locations (Figures 3 through 5):

- Refined Triton Tank Storage buildings (PAJB0003 and PAJB0005) and adjacent drainage ditch (PAJD0005).
- Drainage ditch (PAJD0006) south of the Refined Triton East Graining House (RTEGH).
- Drainage ditch (PAJD0012) south of the Refined Triton West Graining House (RTWGH).
- Various grid locations as a continuation of grid sampling started in 2018 (see 2020 test pit grid locations on Figures 4 and 5).

RSP was encountered in 2020 at dispersed locations in the area of PAJD0005. A total of 144 cubic yards (yd³) of soil that was estimated to contain generally between 1.5% to 5% RSP, as determined by visual inspection and field screening (FIDO® and Expray®), was placed into test cell C37 in 2020 (Table 2). RSP and soil containing greater than 5% RSP, as determined by visual inspection and field screening (FIDO® and Expray®), was placed in 5-gallon buckets and stored in the site magazine.

Soil samples were collected from the final limits of the excavations and from excavation backfill material and submitted to Pace Analytical for NNOC analysis. Composite soil samples were collected approximately every 15-ft to 30-ft (Table 1(a)) along the length of the excavation for laboratory analysis. The excavation backfill material was comprised of soil excavated from the area that was estimated to contain less than 1.5% RSP, as determined by visual inspection, field screening and/or laboratory analysis.

NNOCs were not detected in soil samples collected from the final limits of site investigation excavations, excavation backfill material, or test pits at concentrations that exceeded recreational site-specific residual contaminant levels (SSRCLs) for direct contact, with the exception of two samples collected in the area of ditch PAJD0005. These locations are planned to be addressed via direct excavation in future field efforts.

1.1 Refined Triton Tank Storage Buildings and Adjacent Drainage Ditch

The area of the Refined Triton Tank Storage buildings (PAJB0003 and PAJB0005) and adjacent drainage ditch (PAJD0005) was investigated in 2020 as shown on Figure 4. Prior to the investigation, the contents of cell C16 were excavated and removed to access the area of the former ditch (PAJD0005) below the cell. Approximately 335 yd³ of soil was removed from cell C16 and placed in cell C25 (Table 2). The soil removed from cell C16 included the cell contents (approximately 177 yd³) and portions of the cell base and berm that were in contact with the cell material.

Following the removal of cell C16, soil was excavated and field screened (FIDO® and Expray®) from within, around and below the Refined Triton Tank Storage buildings and adjacent drainage ditch. Approximately 1,100 yd³ of soil was excavated during the investigation covering an area of approximately 12,000 ft². The irregular shaped excavation varied in depth, with a maximum depth of approximately five ft bgs. Approximately 137 yd³ of soil from the investigation was

transported from the area and placed in cell C37. A total of 22.7 pounds (lbs.) of RSP was removed from the area and placed in the onsite magazine for storage.

1.2 Drainage Ditch South of The Refined Triton East Graining House

A portion of ditch PAJD0006 was investigated in 2020 in the location of a historical soil sample that had an exceedance of an SSRCL for direct contact as shown on Figure 4. Soil was excavated and field screened (FIDO® and Expray®) over an area encompassing approximately 130 ft². The excavation extended to about 2.5 ft Bgs on average, which resulted in approximately 10 yd³ of soil being removed for evaluation. Of that total, approximately 3 yd³ of soil was placed in cell C37.

1.3 Drainage Ditch South of The Refined West Graining House

Two portions of ditch PAJD0012 were investigated in 2020 in the locations of two historical soil samples that had exceedances of an SSRCL for direct contact as shown on Figure 4. Soil was excavated and field screened (FIDO® and Expray®) over an area encompassing approximately 190 ft². The excavation extended to about 2 to 4.5 ft bgs, which resulted in an approximately 20 yd³ of soil being removed for evaluation. Of that total, approximately 4 yd³ of soil was placed in cell C37.

1.4 Use Area PAJ Grid Locations

Several test pits were advanced in PAJ as a continuation of grid sampling started in 2018. The test pits were advanced within 19 grid locations as shown on Figure 5. Each test pit was approximately 3 ft. wide by 6 ft. long and 4 ft. deep. Composite soil samples were collected from each grid location (Table 1(a)). NNOCs were not detected in soil samples collected from these locations at concentrations that exceeded recreational SSRCLs for direct contact.

2.0 PERIMETER SURFACE WATER AND SEDIMENT SAMPLING

Surface water and sediment samples are taken periodically at the twelve locations where surface water leaves the site to determine whether these media are affected by operations on the site or by ongoing, naturally occurring erosion. Surface water samples were collected from two of the twelve drainage locations in October 2020 (Table 1(c) and Figure 6) and submitted to Eurofins TestAmerica for NNOC analysis. Surface water flow was not observed in the remaining ten locations at the time of sampling. NNOCs were detected in one of the surface water samples (SW-I001) in 2020; however, detections were below human health and ecological screening criteria, where established.

Sediment samples were collected from seven of the twelve locations in October 2020 and submitted to Eurofins TestAmerica for NNOC analysis (Table 1(c) and Figure 6). Recently deposited sediment in a quantity sufficient for laboratory analysis was not observed in the remaining five locations in 2020. NNOCs were detected in two sediment samples (SED-B002 and SED-F001). NNOCs were also detected in two additional sediment samples (SED-F001-2 and SED-F001-3), which were collected downstream of sample SED-F001 following receipt of analytical results from SED-F001. All detected NNOCs in sediment were below their respective non-industrial RCLs for direct contact.

3.0 GROUNDWATER SAMPLING

Groundwater samples were collected from the following locations in 2020 (Table 1(c)):

- Clubhouse water supply well.
- Office trailer (PZ-16 POT) water supply well.

NNOCs were not detected in the samples collected from the Clubhouse or office trailer (PZ-16 POT) wells in 2020.

4.0 DEBRIS SCREENING AND CHARACTERIZATION SAMPLING

Remnant materials associated with former buildings and production areas was encountered during investigation work. These materials included vitrified clay pipe, concrete, and metal. Characterization testing of these items conducted in 2011 indicated that most of the debris was devoid of site-related constituents within the material matrix, although some of the material did contain the target analytes on the surface. To determine which debris contained site-related constituents, field personnel screened these items using FIDO® and Expray® tools. Debris managed in 2020 is discussed in detail in Waste Management Progress Report No. 9.

5.0 RSP REMOVAL

A total of 22.7 lbs. of RSP was collected from site investigation work in Use Area PAJ in 2020. The RSP was added to three, five-gallon buckets weighing a total of 60.9 lbs., which includes the weight of the RSP, added water, and containers. The three buckets containing the RSP collected in 2020 from Use Area PAJ are currently stored on site in the magazine.

An intact steel drum containing nitrocellulose was encountered within the Boyd Creek valley in Use Area PAM (Figure 7). The drum was thicker gauge than modern drums and appeared to be remaining from the former operational time period of the plant. The drum was still intact and in generally good condition. Evidence of a release from the drum was not observed. The material in the drum was removed, wetted, and placed into three separate steel drums (two new drums and original drum inside the overpack) for shipping. The material was picked up by Veolia on October 28, 2020 for destruction by incineration. The shipping weight of the nitrocellulose, added water, and drums totaled 1,134 pounds. Additional information on the nitrocellulose drum is included in Waste Management Progress Report No. 9.

6.0 SUMMARY

The 2020 site investigation effort included the following:

- Excavation and sampling of former buildings and ditches in Use Area PAJ. Approximately 1,400 yd³ of soil was excavated in Use Area PAJ covering an area of over 14,000 ft².
- Collection of 163 soil samples, nine sediment samples, three groundwater samples, and two surface water samples for laboratory analysis.
- Collection of 22.7 pounds of RSP from Use Area PAJ.
- Excavation and placement of 479 yd³ of soil from Use Area PAJ into test cells.
- Removal and off-site disposal of a drum containing nitrocellulose.

NNOCs were not detected in soil samples collected from the final limits of site investigation excavations, excavation backfill material, or test pits at concentrations that exceeded recreational SSRCLs for direct contact in 2020, with the exception of two samples collected in the area of ditch PAJD0005. These locations are planned to be addressed via direct excavation in future field efforts.

AECOM appreciates the opportunity to support Chemours' investigation and remediation work at the Former DuPont Barksdale Works site and provide this summary of work completed in 2020.

Should you have any questions or comments, please do not hesitate to contact us.

Sincerely,



Eric Schmidt, P.E.
Project Engineer



C. E. "Cary" Pooler, P.G.
Associate Vice President

Attachments:

Tables

- Table 1 – 2020 Analytical Samples
 (a) – Site Investigation Soil Samples
 (b) – Bio-pilot Cell Soil Samples
 (c) – Other Site Samples
Table 2 – 2020 Soil Moved to Test Cells

Figures

- Figure 1 – Regional Site Location
Figure 2 – Site Layout and Cell Locations
Figure 3 – East Focus Area
Figure 4 – PAJ Site Investigation Summary
Figure 5 – PAJ Grid Sample Locations
Figure 6 – Water and Sediment Sampling Locations
Figure 7 – Former Nitrocellulose Drum Location

Laboratory Report

Appendix A: Laboratory Analytical Reports

Tables

2020 Site Investigation Samples
 2020 Site Investigation Summary Report
 Former DuPont Barksdale Works
 Town of Barksdale, Bayfield County, Wisconsin
 BRRTS: 02-04-000156

Sample ID	Quick Reference Name	Date	Time	Project	Work Area	Area Location Name	Feature Location ID	Top Depth (feet bgs)	Bottom Depth (feet bgs)	Sample Type	Matrix	Location Notes
SITG-200708-Proposed-C37-S (0-4)	Proposed-C37-S	7/8/2020	14:35	SI	PAI	C37 Construction	C37	0.00	4.00	Composite	Soil	South half of C37, prior to construction of cell
SITG-200708-Proposed-C37-N (0-4)	Proposed-C37-N	7/8/2020	17:05	SI	PAI	C37 Construction	C37	0.00	4.00	Composite	Soil	North half of C37, prior to construction of cell
SIGP-200811-PAJ-90 (0-2)	PAJ-90 (0-2)	8/11/2020	9:21	SI	PAJ	PAJ Sample Grid 90	PAJ Sample Grid	0.00	2.00	Composite	Soil	Wooded area in northeastern portion of PAJ
SIGP-200811-PAJ-90 (2-4)	PAJ-90 (2-4)	8/11/2020	9:30	SI	PAJ	PAJ Sample Grid 90	PAJ Sample Grid	2.00	4.00	Composite	Soil	Wooded area in northeastern portion of PAJ
SIGP-200811-PAJ-88 (0-2)	PAJ-88 (0-2)	8/11/2020	10:45	SI	PAJ	PAJ Sample Grid 88	PAJ Sample Grid	0.00	2.00	Composite	Soil	East of RTSH, near northeastern boundary of PAJ
SIGP-200811-PAJ-88 (2-4)	PAJ-88 (2-4)	8/11/2020	10:50	SI	PAJ	PAJ Sample Grid 88	PAJ Sample Grid	2.00	4.00	Composite	Soil	East of RTSH, near northeastern boundary of PAJ
SIGP-200811-PAJ-89 (0-2)	PAJ-89 (0-2)	8/11/2020	11:35	SI	PAJ	PAJ Sample Grid 89	PAJ Sample Grid	0.00	2.00	Composite	Soil	North of RTSH, near northern boundary of PAJ
SIGP-200811-PAJ-89 (0-2)-D	PAJ-89 (0-2)-D	8/11/2020	11:35	SI	PAJ	PAJ Sample Grid 89	PAJ Sample Grid	0.00	2.00	Composite	Soil	North of RTSH, near northern boundary of PAJ
SIGP-200811-PAJ-89 (2-4)	PAJ-89 (2-4)	8/11/2020	11:40	SI	PAJ	PAJ Sample Grid 89	PAJ Sample Grid	2.00	4.00	Composite	Soil	North of RTSH, near northern boundary of PAJ
SIGP-200811-PAJ-89 (2-4)-D	PAJ-89 (2-4)-D	8/11/2020	11:40	SI	PAJ	PAJ Sample Grid 89	PAJ Sample Grid	2.00	4.00	Composite	Soil	North of RTSH, near northern boundary of PAJ
SIGP-200811-PAJ-77 (0-2)	PAJ-77 (0-2)	8/11/2020	15:00	SI	PAJ	PAJ Sample Grid 77	PAJ Sample Grid	0.00	2.00	Composite	Soil	Former rail grade area between RTEGH and RTSH
SIGP-200811-PAJ-77 (2-4)	PAJ-77 (2-4)	8/11/2020	15:05	SI	PAJ	PAJ Sample Grid 77	PAJ Sample Grid	2.00	4.00	Composite	Soil	Former rail grade area between RTEGH and RTSH
SIGP-200811-PAJ-75 (0-2)	PAJ-75 (0-2)	8/11/2020	15:45	SI	PAJ	PAJ Sample Grid 75	PAJ Sample Grid	0.00	2.00	Composite	Soil	Adjacent to northeast corner of RTWGH
SIGP-200811-PAJ-75 (2-4)	PAJ-75 (2-4)	8/11/2020	15:50	SI	PAJ	PAJ Sample Grid 75	PAJ Sample Grid	2.00	4.00	Composite	Soil	Adjacent to northeast corner of RTWGH
SIGP-200824-PAJ-86 (0-2)	PAJ-86 (0-2)	8/24/2020	11:10	SI	PAJ	PAJ Sample Grid 86	PAJ Sample Grid	0.00	2.00	Composite	Soil	Adjacent and west of RTSH
SIGP-200824-PAJ-86 (2-4)	PAJ-86 (2-4)	8/24/2020	11:15	SI	PAJ	PAJ Sample Grid 86	PAJ Sample Grid	2.00	4.00	Composite	Soil	Adjacent and west of RTSH
SIGP-200824-PAJ-85 (0-2)	PAJ-85 (0-2)	8/24/2020	14:40	SI	PAJ	PAJ Sample Grid 85	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southwest of RTSH
SIGP-200824-PAJ-85 (2-4)	PAJ-85 (2-4)	8/24/2020	14:45	SI	PAJ	PAJ Sample Grid 85	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southwest of RTSH
SIGP-200824-PAJ-84 (0-2)	PAJ-84 (0-2)	8/24/2020	16:00	SI	PAJ	PAJ Sample Grid 84	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southwest of RTSH
SIGP-200824-PAJ-84 (2-4)	PAJ-84 (2-4)	8/24/2020	16:05	SI	PAJ	PAJ Sample Grid 84	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southwest of RTSH
SIGP-200825-PAJ-83 (0-2)	PAJ-83 (0-2)	8/25/2020	8:50	SI	PAJ	PAJ Sample Grid 83	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southeast of RTEGH
SIGP-200825-PAJ-83 (2-4)	PAJ-83 (2-4)	8/25/2020	8:55	SI	PAJ	PAJ Sample Grid 83	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southeast of RTEGH
SIGP-200825-PAJ-82 (0-2)	PAJ-82 (0-2)	8/25/2020	11:00	SI	PAJ	PAJ Sample Grid 82	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southeast of RTEGH
SIGP-200825-PAJ-82 (2-4)	PAJ-82 (2-4)	8/25/2020	11:05	SI	PAJ	PAJ Sample Grid 82	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southeast of RTEGH
SIGP-200825-PAJ-81 (0-2)	PAJ-81 (0-2)	8/25/2020	13:50	SI	PAJ	PAJ Sample Grid 81	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southwest of RTEGH, north of C16 sediment trap
SIGP-200825-PAJ-81 (2-4)	PAJ-81 (2-4)	8/25/2020	13:55	SI	PAJ	PAJ Sample Grid 81	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southwest of RTEGH, north of C16 sediment trap
SIGP-200825-PAJ-78 (0-2)	PAJ-78 (0-2)	8/25/2020	15:15	SI	PAJ	PAJ Sample Grid 78	PAJ Sample Grid	0.00	2.00	Composite	Soil	South of RTWGH near western boundary of PAJ
SIGP-200825-PAJ-78 (2-4)	PAJ-78 (2-4)	8/25/2020	15:20	SI	PAJ	PAJ Sample Grid 78	PAJ Sample Grid	2.00	4.00	Composite	Soil	South of RTWGH near western boundary of PAJ
SIGP-200826-PAJ-080 (0-2)	PAJ-080 (0-2)	8/26/2020	13:45	SI	PAJ	PAJ Sample Grid 80	PAJ Sample Grid	0.00	2.00	Composite	Soil	South of RTWGH near western boundary of PAJ
SIGP-200826-PAJ-080 (2-4)	PAJ-080 (2-4)	8/26/2020	13:50	SI	PAJ	PAJ Sample Grid 80	PAJ Sample Grid	2.00	4.00	Composite	Soil	South of RTWGH near western boundary of PAJ
SIGP-200827-PAJ-093 (0-2)	PAJ-093 (0-2)	8/27/2020	7:55	SI	PAJ	PAJ Sample Grid 93	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southeast of RTWGH
SIGP-200827-PAJ-093 (2-4)	PAJ-093 (2-4)	8/27/2020	8:00	SI	PAJ	PAJ Sample Grid 93	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southeast of RTWGH
SIGP-200827-PAJ-079 (0-2)	PAJ-079 (0-2)	8/27/2020	9:00	SI	PAJ	PAJ Sample Grid 79	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southeast of RTWGH
SIGP-200827-PAJ-079 (2-4)	PAJ-079 (2-4)	8/27/2020	9:05	SI	PAJ	PAJ Sample Grid 79	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southeast of RTWGH
SIGP-200827-PAJ-091 (0-2)	PAJ-091 (0-2)	8/27/2020	10:55	SI	PAJ	PAJ Sample Grid 91	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southeast of RTWH
SIGP-200827-PAJ-091 (0-2)-D	PAJ-091 (0-2)-D	8/27/2020	10:55	SI	PAJ	PAJ Sample Grid 91	PAJ Sample Grid	0.00	2.00	Composite	Soil	Southeast of RTWH
SIGP-200827-PAJ-091 (2-4)	PAJ-091 (2-4)	8/27/2020	11:00	SI	PAJ	PAJ Sample Grid 91	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southeast of RTWH
SIGP-200827-PAJ-091 (2-4)-D	PAJ-091 (2-4)-D	8/27/2020	11:00	SI	PAJ	PAJ Sample Grid 91	PAJ Sample Grid	2.00	4.00	Composite	Soil	Southeast of RTWH
SIGP-200827-PAJ-076 (0-2)	PAJ-076 (0-2)	8/27/2020	13:05	SI	PAJ	PAJ Sample Grid 76	PAJ Sample Grid	0.00	2.00	Composite	Soil	East of RTWH
SIGP-200827-PAJ-076 (2-4)	PAJ-076 (2-4)	8/27/2020	13:10	SI	PAJ	PAJ Sample Grid 76	PAJ Sample Grid	2.00	4.00	Composite	Soil	East of RTWH
SIGP-200827-PAJ-092 (0-2)	PAJ-092 (0-2)	8/27/2020	13:55	SI	PAJ	PAJ Sample Grid 92	PAJ Sample Grid	0.00	2.00	Composite	Soil	North of RTWH, near western boundary of PAJ
SIGP-200827-PAJ-092 (2-4)	PAJ-092 (2-4)	8/27/2020	14:00	SI	PAJ	PAJ Sample Grid 92	PAJ Sample Grid	2.00	4.00	Composite	Soil	North of RTWH, near western boundary of PAJ
SIGP-200831-PAJ-087 (0-2)	PAJ-087 (0-2)	8/31/2020	14:25	SI	PAJ	PAJ Sample Grid 87	PAJ Sample Grid	0.00	2.00	Composite	Soil	Northwest of RTWGH
SIGP-200831-PAJ-087 (2-4)	PAJ-087 (2-4)	8/31/2020	14:30	SI	PAJ	PAJ Sample Grid 87	PAJ Sample Grid	2.00	4.00	Composite	Soil	Northwest of RTWGH
SITG-200901-001E (1-2)	001E (1-2)	9/1/2020	11:10	SI	PAJ	South end of PAJD0012	PAJD0012	1.00	2.00	Composite	Soil	South of RTWGH
SITG-200901-002W (4-4.5)	002W (4-4.5)	9/1/2020	13:18	SI	PAJ	North end of PAJD0012	PAJD0012	4.00	4.50	Composite	Soil	South of RTWGH
SITG-200901-003C (2.5-3.0)	003C (2.5-3.0)	9/1/2020	14:40	SI	PAJ	North end of PAJD0006	PAJD0006	2.50	3.00	Composite	Soil	South of RTEGH
SITG-200903-004Z (0-1.7)	004Z (0-1.7)	9/3/2020	15:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.70	Composite	Soil	East of northeast corner of former C16
SITG-200903-005Z (1.7-5)	005Z (1.7-5)	9/3/2020	15:05	SI	PAJ	C16/PAJD0005	PAJD0005	1.70	5.00	Composite	Soil	East of northeast corner of former C16
SITG-200903-004E (0-3)	004E (0-3)	9/3/2020	15:15	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.00	Composite	Soil	East of northeast corner of former C16
SITG-200903-004C (3-3.5)	004C (3-3.5)	9/3/2020	15:20	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	3.50	Composite	Soil	East of northeast corner of former C16
SITG-200903-005C (5-5.5)	005C (5-5.5)	9/3/2020	15:25	SI	PAJ	C16/PAJD0005	PAJD0005	5.00	5.50	Composite	Soil	East of northeast corner of former C16
SITG-200914-006C (5-5.5)	006C (5-5.5)	9/14/2020	16:35	SI	PAJ	C16/PAJD0005	PAJD0005	5.00	5.50	Composite	Soil	Near northern edge of former C16
SITG-200914-007C (4-5)	007C (4-5)	9/14/2020	16:40	SI	PAJ	C16/PAJD0005	PAJD0005	4.00	5.00	Composite	Soil	West of northern edge of former C16
SITG-200914-007W (0-4)	007W (0-4)	9/14/2020	16:45	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	4.00	Composite	Soil	West of northern edge of former C16
SITG-200915-010S (0-3.5)	010S (0-3.5)	9/15/2020	17:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near northeastern portion of former C16
SITG-200915-006Z (0.5-2.5)	006Z (0.5-2.5)	9/15/2020	17:05	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	2.50	Composite	Soil	Soil stockpile from excavation. Removed to C37
SITG-200914-008Z (0-5)	008Z (0-5)	9/15/2020	17:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	5.00	Composite	Soil	Near northeastern portion of former C16
SITG-200915-007Z (2.5-4.5)	007Z (2.5-4.5)	9/15/2020	17:15	SI	PAJ	C16/PAJD0005	PAJD0005	2.50	4.50	Composite	Soil	West of northern edge of former C16
SITG-200915-008C (4-4.5)	008C (4-4.5)	9/15/2020	16:30	SI	PAJ	C16/PAJD0005	PAJD0005	4.00	4.50	Composite	Soil	Near northeastern portion of former C16
SITG-200915-008E (0-4)	008E (0-4)	9/15/2020	16:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	4.00	Composite	Soil	Near northeastern portion of former C16
SITG-200915-009C (3.5-4)	009C (3.5-4)	9/15/2020	16:40	SI	PAJ	C16/PAJD0005	PAJD0005	3.50	4.00	Composite	Soil	Near northeastern portion of former C16
SITG-200915-009E (0-4)	009E (0-4)	9/15/2020	16:45	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	4.00	Composite	Soil	Near northeastern portion of former C16
SITG-200915-010C (3.5-4)	010C (3.5-4)	9/15/2020	16:50	SI	PAJ	C16/PAJD0005	PAJD0005	3.50	4.00	Composite	Soil	Near northeastern portion of former C16
SITG-200915-010C (3.5-4)-D	010C (3.5-4)-D	9/15/2020	16:50	SI	PAJ	C16/PAJD0005	PAJD0005	3.50	4.00	Composite	Soil	Near northeastern portion of former C16
SITG-200915-010E (0-3.5)	010E (0-3.5)	9/15/2020	16:55	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near northeastern portion of former C16
SITG-200916-011C (3.5-4)	011C (3.5-4)	9/16/2020	16:20	SI	PAJ	C16/PAJD0005	PAJD0005	3.50	4.00	Composite	Soil	Near northern portion of former C16
SITG-200916-011Z (0-1.5)	011Z (0-1.5)	9/16/2020	16:25	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.50	Composite	Soil	Near northern portion of former C16
SITG-200916-012C (2.5-3.5)	012C (2.5-3.5)	9/16/2020	16:30	SI	PAJ	C16/PAJD0005	PAJD0005	2.50	3.50	Composite	Soil	West of northwestern edge of former C16
SITG-200916-012W (0-2.5)	012W (0-2.5)	9/16/2020	16:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	2.50	Composite	Soil	West of northwestern edge of former C16
SITG-200921-013C (3.5-4)	013C (3.5-4)	9/21/2020	16:00	SI	PAJ	C16/PAJD0005	PAJD0005	3.50	4.00	Composite	Soil	Near northern portion of former C16
SITG-200921-013C (3.5-4)-D	013C (3.5-4)-D	9/21/2020	16:00	SI	PAJ	C16/PAJD0005	PAJD0005	3.50	4.00	Composite	Soil	Near northern portion of former C16
SITG-200921-014C (2-2.5)	014C (2-2.5)	9/21/2020	16:05	SI	PAJ	C16/PAJD0005	PAJD0005	2.00	2.50	Composite	Soil	West of northwestern edge of former C16
SITG-200922-013Z (0-4.5)	013Z (0-4.5)	9/22/2020	14:30	SI	PAJ	C16/PAJD0005	PAJD0005					

Sample ID	Quick Reference Name	Date	Time	Project	Work Area	Area Location Name	Feature Location ID	Top Depth (feet bgs)	Bottom Depth (feet bgs)	Sample Type	Matrix	Location Notes
SITG-201005-024W (0-1)-D	24W (0-1)-D	10/5/2020	15:15	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	West of west central edge of former C16
SITG-201005-025C (1-1.5)	025C (1-1.5)	10/5/2020	15:20	SI	PAJ	C16/PAJD0005	PAJD0005	1.00	1.50	Composite	Soil	West of west central edge of former C16
SITG-201005-025W (0-1)	025W (0-1)	10/5/2020	15:25	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	West of west central edge of former C16
SITG-201005-025S (0-1)	025S (0-1)	10/5/2020	15:30	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	West of west central edge of former C16
SITG-201005-026C (0.5-1)	026C (0.5-1)	10/5/2020	15:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	1.00	Composite	Soil	West of west central edge of former C16
SITG-201005-026S (0-0.5)	026S (0-0.5)	10/5/2020	15:40	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	West of west central edge of former C16
SITG-201005-027C (0.5-1)	027C (0.5-1)	10/5/2020	15:45	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	West of west central edge of former C16
SITG-201005-027W (0-0.5)	027W (0-0.5)	10/5/2020	15:50	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	West of west central edge of former C16
SITG-201005-028C (0.5-1)	028C (0.5-1)	10/5/2020	15:55	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	1.00	Composite	Soil	West of west central edge of former C16
SITG-201005-028W (0-0.5)	028W (0-0.5)	10/5/2020	16:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	West of west central edge of former C16
SITG-201005-029C (1-1.5)	029C (1-1.5)	10/5/2020	16:05	SI	PAJ	C16/PAJD0005	PAJD0005	1.00	1.50	Composite	Soil	Near northeastern portion of former C16
SITG-201005-029E (0-1)	029E (0-1)	10/5/2020	16:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	Near northeastern portion of former C16
SITG-201005-030C (1-1.5)	030C (1-1.5)	10/5/2020	16:15	SI	PAJ	C16/PAJD0005	PAJD0005	1.00	1.50	Composite	Soil	Near northeastern portion of former C16
SITG-201005-030E (0-1)	030E (0-1)	10/5/2020	16:20	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	Near northeastern portion of former C16
SITG-201005-031C (1-1.5)	031C (1-1.5)	10/5/2020	16:25	SI	PAJ	C16/PAJD0005	PAJD0005	1.00	1.50	Composite	Soil	Near east central portion of former C16
SITG-201005-031E (0-1)	031E (0-1)	10/5/2020	16:30	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	Near east central portion of former C16
SITG-201005-032C (1-1.5)	032C (1-1.5)	10/5/2020	16:35	SI	PAJ	C16/PAJD0005	PAJD0005	1.00	1.50	Composite	Soil	Near east central portion of former C16
SITG-201005-032E (0-1)	032E (0-1)	10/5/2020	16:40	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	Near east central portion of former C16
SITG-201005-032S (0-1)	032S (0-1)	10/5/2020	16:45	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	Near east central portion of former C16
SITG-201005-027Z (0-0.5)	027Z (0-0.5)	10/5/2020	16:55	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	West of west central edge of former C16
SITG-201005-024Z (0-0.5)	024Z (0-0.5)	10/5/2020	16:50	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	West of west central edge of former C16
SITG-201005-029Z (0-0.2)	029Z (0-0.2)	10/5/2020	17:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.20	Composite	Soil	Near northeastern portion of former C16
SITG-201006-033C (3-4)	033C (3-4)	10/6/2020	15:00	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near north central portion of former C16
SITG-201006-033E (0-3.5)	033E (0-3.5)	10/6/2020	15:05	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near north central portion of former C16
SITG-201006-033W (0.5-3)	033W (0.5-3)	10/6/2020	15:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	3.00	Composite	Soil	Near north central portion of former C16
SITG-201006-034C (3-4)	034C (3-4)	10/6/2020	15:15	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near north central portion of former C16
SITG-201006-034E (0-3.5)	034E (0-3.5)	10/6/2020	15:20	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	5.00	Composite	Soil	Near north central portion of former C16
SITG-201006-034W (0.5-3)	034W (0.5-3)	10/6/2020	15:25	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	6.00	Composite	Soil	Near north central portion of former C16
SITG-201006-035C (3-4)	035C (3-4)	10/6/2020	15:30	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near central portion of former C16
SITG-201006-035E (0-3.5)	035E (0-3.5)	10/6/2020	15:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near central portion of former C16
SITG-201006-035W (0.5-3)	035W (0.5-3)	10/6/2020	15:40	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	3.00	Composite	Soil	Near central portion of former C16
SITG-201006-036C (3-4)	036C (3-4)	10/6/2020	15:45	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near central portion of former C16
SITG-201006-036E (0-3.5)	036E (0-3.5)	10/6/2020	15:50	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near central portion of former C16
SITG-201006-036W (0.5-3)	036W (0.5-3)	10/6/2020	15:55	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	3.00	Composite	Soil	Near central portion of former C16
SITG-201006-033Z (0.5-4)	033Z (0.5-4)	10/6/2020	16:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	4.00	Composite	Soil	Near north central portion of former C16
SITG-201006-035Z (0.5-4)	035Z (0.5-4)	10/6/2020	16:05	SI	PAJ	C16/PAJD0005	PAJD0005	0.50	4.00	Composite	Soil	Near central portion of former C16
SITG-201007-037E (0-3.5)	037E (0-3.5)	10/7/2020	11:30	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	East side wall of sample location
SITG-201007-037W (0-3)	037W (0-3)	10/7/2020	11:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.00	Composite	Soil	Near central portion of former C16
SITG-201007-038E (0-3)	038E (0-3)	10/7/2020	11:40	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.00	Composite	Soil	Near south central portion of former C16
SITG-201007-038W (0-3)	038W (0-3)	10/7/2020	11:50	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.00	Composite	Soil	Near south central portion of former C16
SITG-201007-039E (0-3.5)	039E (0-3.5)	10/7/2020	11:55	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near south central portion of former C16
SITG-201007-039W (0-3)	039W (0-3)	10/7/2020	12:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.00	Composite	Soil	Near south central portion of former C16
SITG-201007-040E (0-3.5)	040E (0-3.5)	10/7/2020	12:05	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near southern portion of former C16
SITG-201007-040W (0-3)	040W (0-3)	10/7/2020	12:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.00	Composite	Soil	Near southern portion of former C16
SITG-201007-041E (0-3.5)	041E (0-3.5)	10/7/2020	12:15	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near southern portion of former C16
SITG-201007-041W (0-3.5)	041W (0-3.5)	10/7/2020	12:20	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.50	Composite	Soil	Near southern portion of former C16
SITG-201007-037Z (0-4)	037Z (0-4)	10/7/2020	12:25	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	4.00	Composite	Soil	Near central portion of former C16
SITG-201007-039Z (0-4)	039Z (0-4)	10/7/2020	12:30	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	4.00	Composite	Soil	Near south central portion of former C16
SITG-201007-040Z (0-4)	040Z (0-4)	10/7/2020	12:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	4.00	Composite	Soil	Near southern portion of former C16
SITG-201007-037C (3-4)	037C (3-4)	10/7/2020	15:30	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near central portion of former C16
SITG-201007-038C (3-4)	038C (3-4)	10/7/2020	15:35	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near south central portion of former C16
SITG-201007-039C (3-4)	039C (3-4)	10/7/2020	15:40	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near south central portion of former C16
SITG-201007-040C (3-4)	040C (3-4)	10/7/2020	15:45	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near southern portion of former C16
SITG-201007-041C (3-4)	041C (3-4)	10/7/2020	15:50	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.00	Composite	Soil	Near southern portion of former C16
SITG-201008-042C (3-4.5)	042C (3-4.5)	10/8/2020	10:55	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.50	Composite	Soil	South of southern end of former C16
SITG-201008-042C (3-4.5)-D	042C (3-4.5)-D	10/8/2020	10:55	SI	PAJ	C16/PAJD0005	PAJD0005	3.00	4.50	Composite	Soil	South of southern end of former C16
SITG-201008-042E (0-4)	042E (0-4)	10/8/2020	11:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	4.00	Composite	Soil	South of southern end of former C16
SITG-201008-042W (0-3)	042W (0-3)	10/8/2020	11:05	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	3.00	Composite	Soil	South of southern end of former C16
SITG-201015-043C (0.2-0.5)	043C (0.2-0.5)	10/15/2020	8:55	SI	PAJ	C16/PAJD0005	PAJD0005	0.20	0.50	Composite	Soil	West of northwestern edge of former C16
SITG-201015-044C (0.2-0.5)	044C (0.2-0.5)	10/15/2020	9:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.20	0.50	Composite	Soil	West of northwestern edge of former C16
SITG-201015-045C (0.2-0.5)	045C (0.2-0.5)	10/15/2020	9:05	SI	PAJ	C16/PAJD0005	PAJD0005	0.20	0.50	Composite	Soil	West of northwestern edge of former C16
SITG-201015-046C (0.2-0.5)	046C (0.2-0.5)	10/15/2020	9:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.20	0.50	Composite	Soil	West of northwestern edge of former C16
SITG-201015-047X (0-0.5)	047X (0-0.5)	10/15/2020	13:00	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near southern portion of former C16
SITG-201015-048X (0-0.5)	048X (0-0.5)	10/15/2020	13:05	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near southern portion of former C16
SITG-201015-049X (0-0.5)	049X (0-0.5)	10/15/2020	13:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near central portion of former C16
SITG-201015-049X (0-0.5)-D	049X (0-0.5)-D	10/15/2020	13:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near central portion of former C16
SITG-201015-050X (0-0.5)	050X (0-0.5)	10/15/2020	13:15	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near central portion of former C16
SITG-201015-051X (0-0.5)	051X (0-0.5)	10/15/2020	13:20	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near northern portion of former C16
SITG-201015-052X (0-0.5)	052X (0-0.5)	10/15/2020	13:25	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near northern portion of former C16
SITG-201015-053X (0-0.5)	053X (0-0.5)	10/15/2020	13:30	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near northern portion of former C16
SITG-201015-054X (0-0.5)	054X (0-0.5)	10/15/2020	13:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	0.50	Composite	Soil	Near northern portion of former C16
SITG-200921-014W (0-2)	014W (0-2)	9/21/2020	16:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	2.00	Composite	Soil	West of northwestern edge of former C16
SITG-200929-016W (0-2.5)	016W (0-2.5)	9/29/2020	16:45	SI	PAJ	C16/PAJD0005	PAJD0005	2.00	2.50	Composite	Soil	West of northwestern edge of former C16
SITG-200930-020W (0-1)	020W (0-1)	9/30/2020	13:35	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	West of northwestern edge of former C16
SITG-200930-023W (0-1)	023W (0-1)	9/30/2020	14:10	SI	PAJ	C16/PAJD0005	PAJD0005	0.00	1.00	Composite	Soil	West of northwestern edge of former C16

Notes:

SI: Site Investigation
PAJ: Production Area J
PAI: Production Area I
bgs: Below ground surface
PAJD0005: PAJ Ditch 5

RTWH: Refined Triton Wash House
RTWGH: Refined Triton West Graining House
RTEGH: Refined Triton East Graining House
RTSH: Refined Triton Screening House
C16: Cell C16

Sample ID Notes

N: Northern sidewall of excavation
S: Southern sidewall of excavation
E: Eastern sidewall of excavation
W: Western sidewall of excavation
C: Bottom of excavation
X: Surficial sample after backfilling and regrading
Z: Stockpile soil that was placed back into excavation (with the exception of 006Z - see location notes)
D: Duplicate sample

Table 1 (b)

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2020 Biopilot Cell Soil Samples

2020 Site Investigation Summary Report

Former DuPont Barksdale Works

Town of Barksdale, Bayfield County, Wisconsin

BRRTS: 02-04-000156

Sample ID	Quick Reference Name	Date	Time	Project	Work area	Feature Location ID	Top Depth (feet bgs)	Bottom Depth (feet bgs)	Sample Type	Matrix
BPSB-200817-C-35 (0-2)	C-35 (0-2)	8/17/2020	10:15	Biopilot	PAH	C-35	0	2	Composite	Soil
BPSB-200817-C-36 (0-2)	C-36 (0-2)	8/17/2020	10:25	Biopilot	PAH	C-36	0	2	Composite	Soil
BPSB-201019-C-20 (0-1.5)	C-20 (0-1.5)	10/19/2020	13:20	Biopilot	PAH	C-20	0	1.5	Composite	Soil
BPSB-201019-C-28 (0-1.5)	C-28 (0-1.5)	10/19/2020	13:40	Biopilot	PAH	C-28	0	1.5	Composite	Soil
BPSB-201019-C-27 (0-1.5)	C-27 (0-1.5)	10/19/2020	14:00	Biopilot	PAH	C-27	0	1.5	Composite	Soil
BPSB-201019-C-24 (0-1.5)	C-24 (0-1.5)	10/19/2020	14:20	Biopilot	PAH	C-24	0	1.5	Composite	Soil
BPSB-201019-C-33 (0-1.5)	C-33 (0-1.5)	10/19/2020	14:40	Biopilot	PAH	C-33	0	1.5	Composite	Soil
BPSB-201019-C-31 (0-1)	C-31 (0-1)	10/19/2020	15:00	Biopilot	PAH	C-31	0	1	Composite	Soil
BPSB-201019-C-35 (0-2)	C-35 (0-2)	10/19/2020	16:00	Biopilot	PAH	C-35	0	2	Composite	Soil
BPSB-201019-C-36 (0-2)	C-36 (0-2)	10/19/2020	16:20	Biopilot	PAH	C-36	0	2	Composite	Soil
BPSB-201019-C-06 (0-1.5)	C-06 (0-1.5)	10/19/2020	16:40	Biopilot	PAB	C-06	0	1.5	Composite	Soil

Notes:

bgs: Below ground surface

C: Cell

Table 1 (c)

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2020 Other Site Samples

2020 Site Investigation Summary Report
 Former DuPont Barksdale Works
 Town of Barksdale, Bayfield County, Wisconsin
 BRRTS: 02-04-000156

Sample ID	Date	Time	Project	Work area	Feature Location ID	Sample Type	Matrix
GW2020-CLUBHOUSE-INFLOW	8/25/2020	16:00	O & M	PAL	Clubhouse before carbon	GW	Water
GW2020-PZ16-POT-INFLOW	8/25/2020	14:30	O & M	UAC	Office trailer before carbon	GW	Water
GW2020-PZ16-POT-INFLOW-D	8/25/2020	14:30	O & M	UAC	Office trailer before carbon	GW	Water
SW2020-SED-B002	10/12/2020	13:40	Site Investigation	Perimeter	B002	SED	Sediment
SW2020-SED-B001	10/12/2020	13:55	Site Investigation	Perimeter	B001	SED	Sediment
SW2020-SED-C001	10/12/2020	14:25	Site Investigation	Perimeter	C001	SED	Sediment
SW2020-SED-D001	10/12/2020	14:40	Site Investigation	Perimeter	D001	SED	Sediment
SW2020-SED-K001	10/12/2020	15:05	Site Investigation	Perimeter	K001	SED	Sediment
SW2020-SED-I001	10/12/2020	15:35	Site Investigation	Perimeter	I001	SED	Sediment
SW2020-SED-F001	10/12/2020	16:10	Site Investigation	Perimeter	F001	SED	Sediment
SW2020-SW-I001	10/12/2020	15:30	Site Investigation	Perimeter	I001	SW	Water
SW2020-SW-I001-MS	10/12/2020	15:30	Site Investigation	Perimeter	I001	SW	Water
SW2020-SW-I001-MSD	10/12/2020	15:30	Site Investigation	Perimeter	I001	SW	Water
SW2020-SW-K001	10/12/2020	15:00	Site Investigation	Perimeter	K001	SW	Water
SW2020-SED-F001-2	11/10/2020	10:50	Site Investigation	Perimeter	F001	SED	Sediment
SW2020-SED-F001-3	11/10/2020	11:05	Site Investigation	Perimeter	F001	SED	Sediment

Notes:

GW: Groundwater

SED: Sediment

SW: Surface water

-D: Duplicate sample

-MS: Matrix spike sample

-MSD: Matrix spike duplicate sample

Table 2

Page 1 of 1

2020 Soil Moved to Test Cells
 2020 Site Investigation Summary Report
 Former DuPont Barksdale Works
 Town of Barksdale, Bayfield County, Wisconsin
 BRRTS: 02-04-000156

Source	Destination Cell	Volume (CY)	Date
Cell C16 and portions of the cell base and berm that were in contact with the cell material	C25	335	8/5/2020 - 9/1/2020
Total for C25	C25	335	
Refined Triton Ditch 12 (PAJD0012)	C37	4	9/1/2020
Refined Triton Ditch 6 (PAJD0006)	C37	3	9/1/2020
RT Tank Storage Houses and adjacent ditch (PAJB0005/PAJB0003/PAJD0005)	C37	137	9/1/20 - 10/15/20
Total for C37	C37	144	
Total for 2020		479	

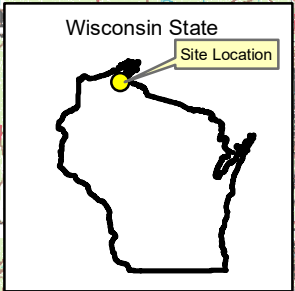
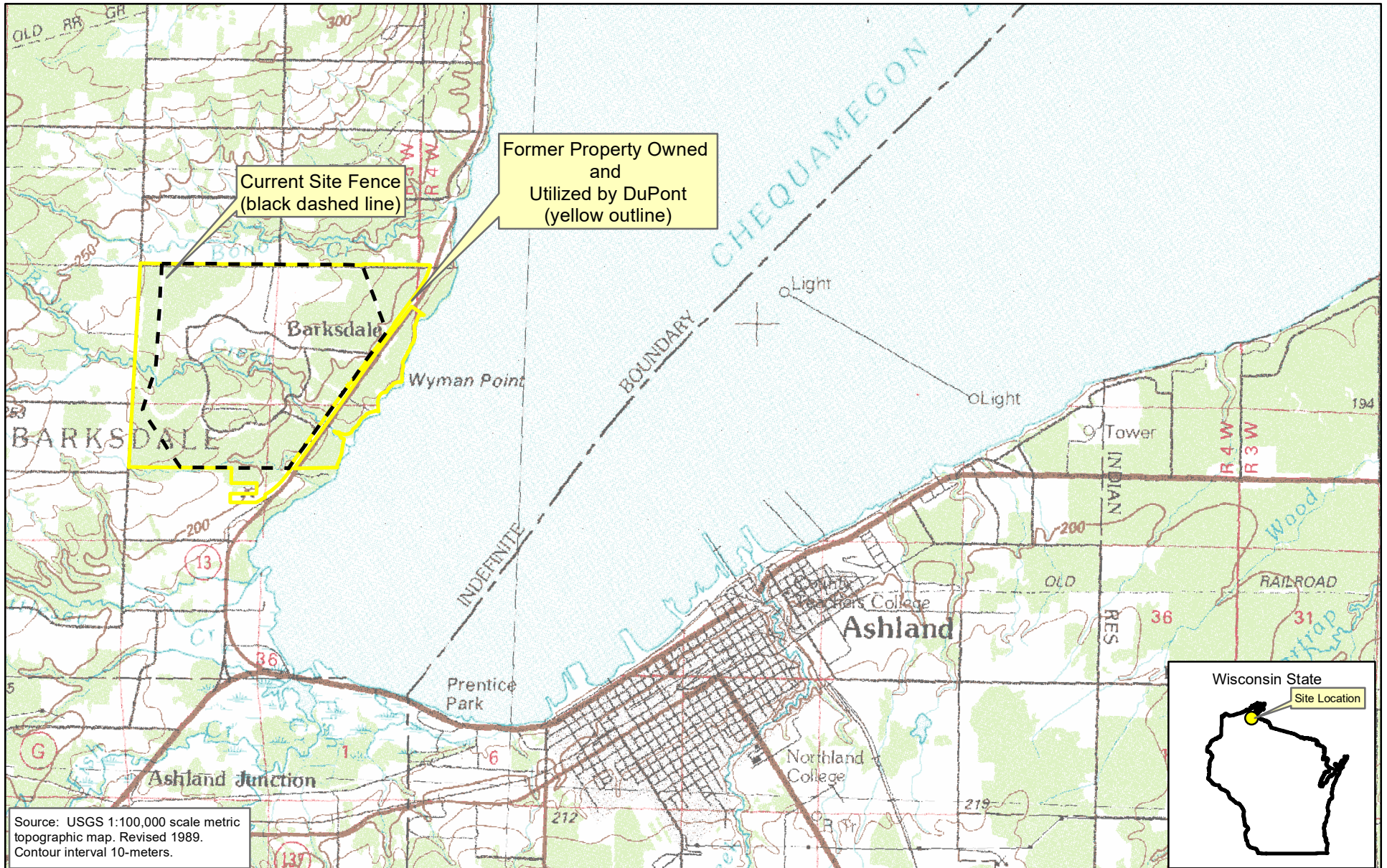
Notes:

CY: cubic yards

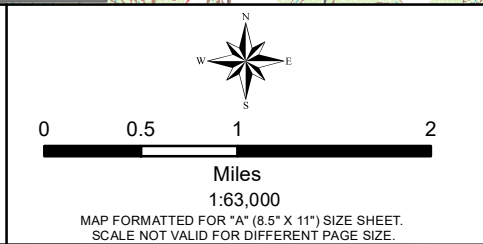
C: Cell

Figures

C:\Users\desmond.nelsen\Desktop\Barksdale\GIS_data\GIS Pioneer Files_1_14_2021\Maps\Maps 2021_DNV2020 Site Investigation Report\Fig_1_Site_Loc.mxd



Area Map (Optional)



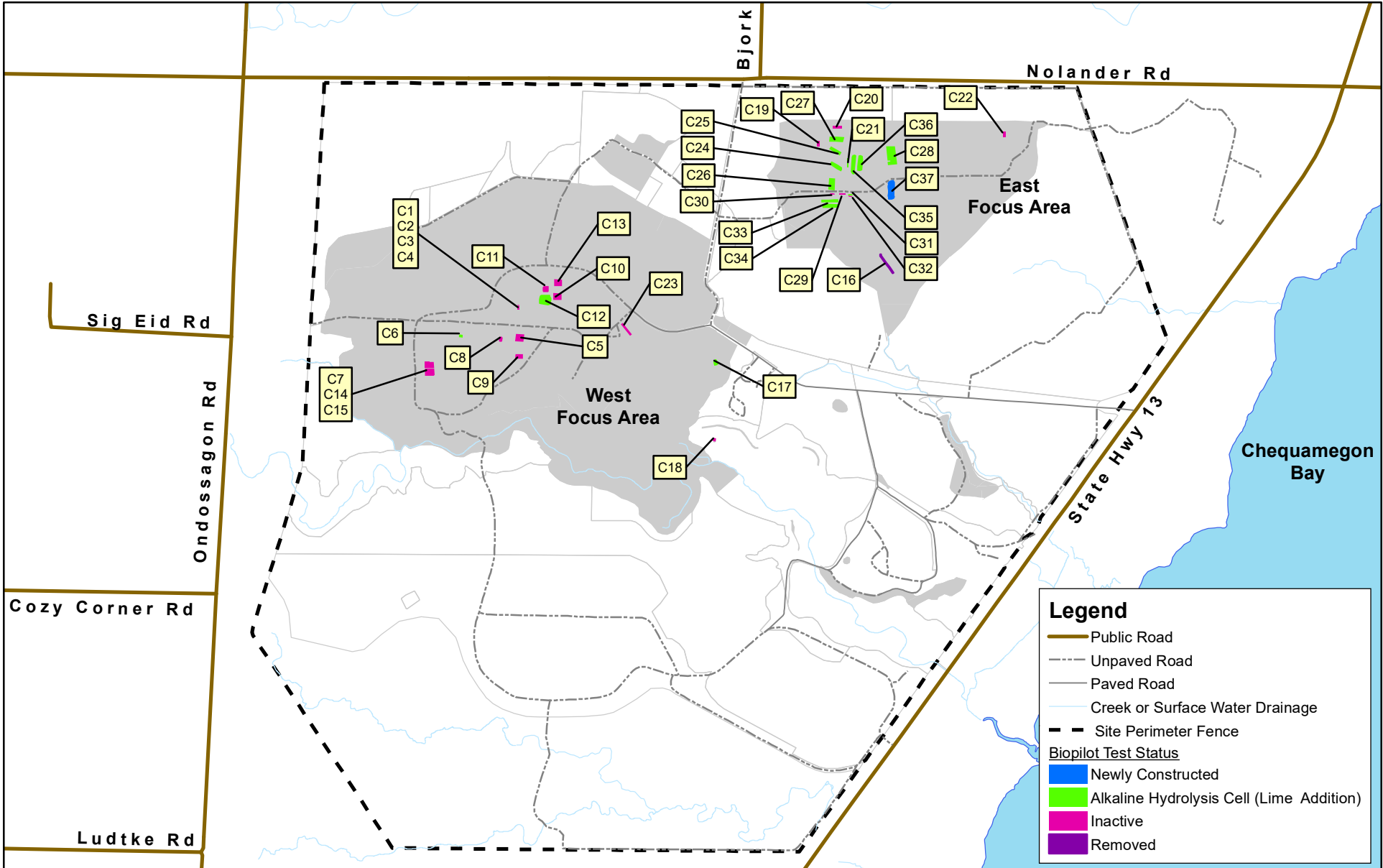
FILE NUMBER:
 DESIGNED BY: DJN
 DRAWN BY: DJN
 DATA QUALITY CHECK BY: ECS

AECOM
 AECOM
 500 West Jefferson Street
 Suite 1600
 Louisville, Kentucky 40202

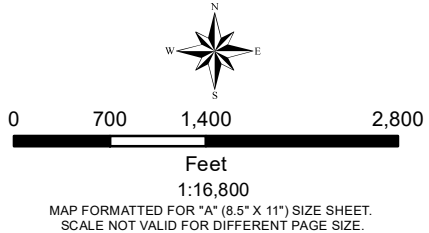
Regional Site Location
 2020 Site Investigation Summary
 Former DuPont Barksdale Works
 Barksdale, Wisconsin 54806

PROJECT NUMBER:
 60635957
 DATE:
 June 2021
 FIGURE NUMBER:
 1

C:\Users\dismond.nicholsen\Desktop\Barksdale\GIS data\GIS Pioneer Files 1:14:2021\Maps\Maps 2021_DNI\2020 Site Investigation Report\Fig 2_Bio_Pilot_Cells.mxd



Area Map (Optional)



FILE NUMBER:
DESIGNED BY: DJN
DRAWN BY: DJN
DATA QUALITY CHECK BY: ECS

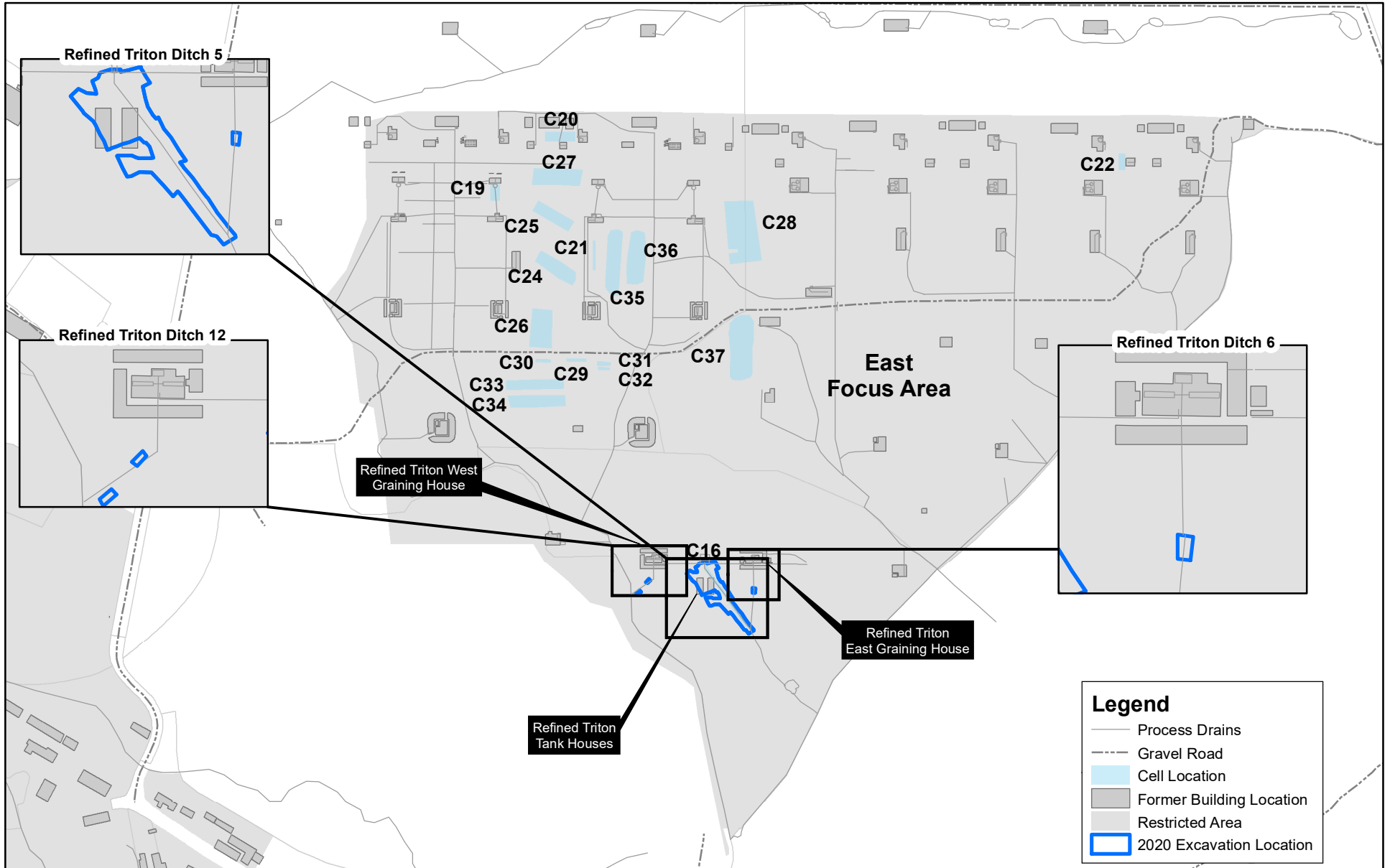
AECOM

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500 West Jefferson Street
Suite 1600
Louisville, Kentucky 40202

Site Layout and Cell Locations

2020 Site Investigation Summary
Former DUPont Barksdale Works
Barksdale, Wisconsin 54806

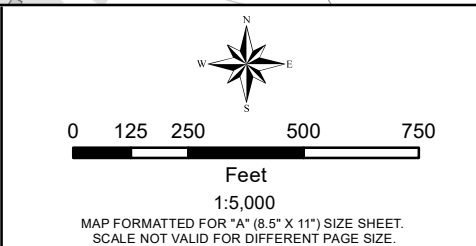
PROJECT NUMBER:
60635957
DATE:
June 2021
FIGURE NUMBER:
2



Legend

- Process Drains
- - - Gravel Road
- Cell Location
- Former Building Location
- Restricted Area
- 2020 Excavation Location

Area Map (Optional)



FILE NUMBER:	
DESIGNED BY:	DJN
DRAWN BY:	DJN
DATA QUALITY CHECK BY:	ECS

AECOM

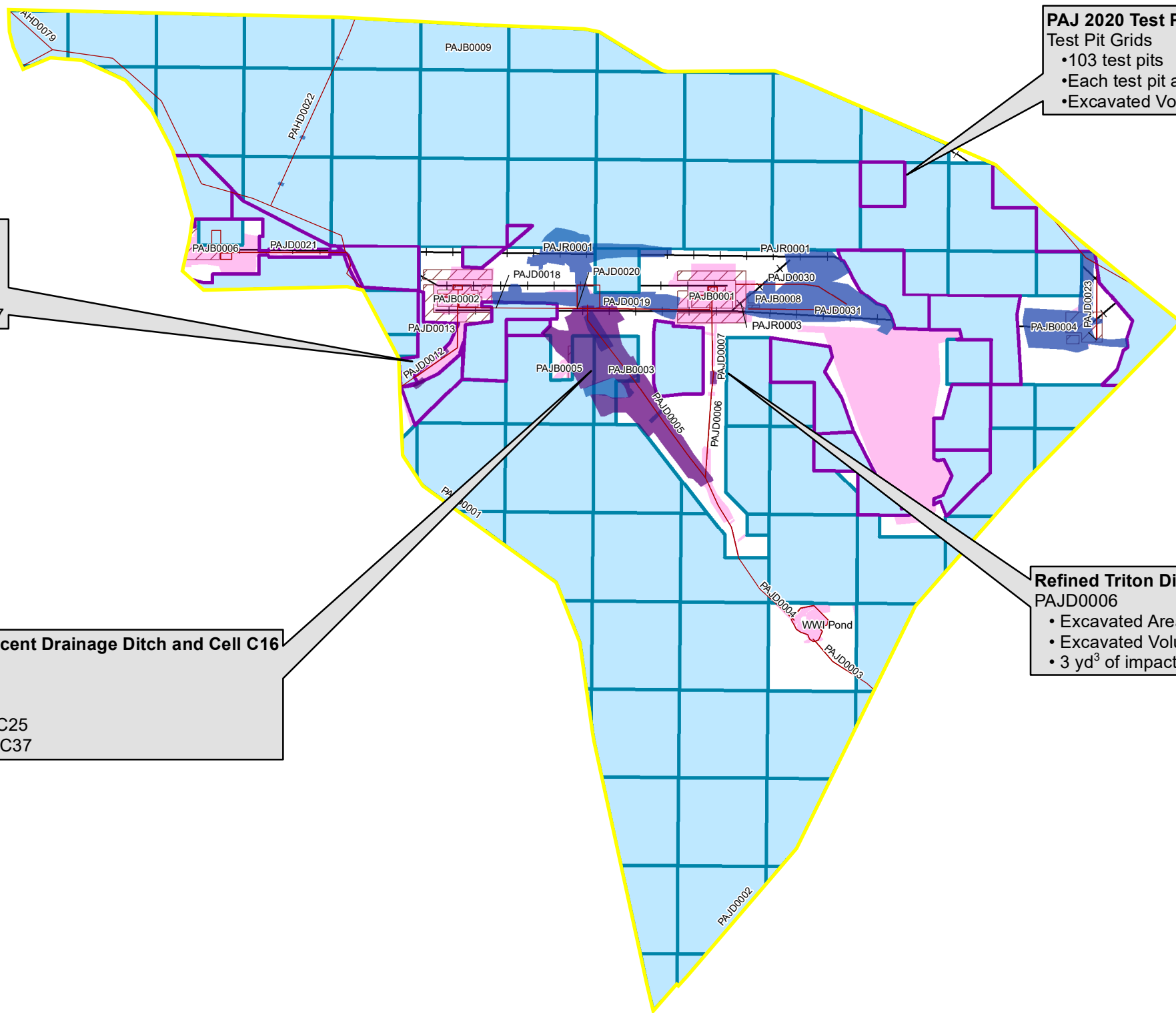
AECOM
500 West Jefferson Street
Suite 1600
Louisville, Kentucky 40202

East Focus Area

2020 Site Investigation Summary
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:	60635957
DATE:	June 2021
FIGURE NUMBER:	3

C:\Users\demond.nielsen\Desktop\Barksdale\GIS data\GIS Pioneer Files 1.14.2021\MapalMaps 2021_DN\2020 Site Investigation Report\Fig 4_PAJ_2020_Summary.mxd



PAJ 2020 Test Pit Grids
 Test Pit Grids
 • 103 test pits
 • Each test pit approximately 3 ft by 6 ft by 4 ft deep
 • Excavated Volume: 280 yd³

Refined Triton Ditch 12
 PAJD0012
 • Excavated Area: 190 ft²
 • Excavated Volume: 20 yd³
 • 4 yd³ of impacted material moved to Cell C37

Refined Triton Tank Storage Buildings, Adjacent Drainage Ditch and Cell C16
 PAJB0004, PAJB0005, PAJD0005 and C16
 • Excavated Area: 12,000 ft²
 • Excavated Volume: 1,100 yd³
 • 335 yd³ of Cell C16 material moved to Cell C25
 • 137 yd³ of impacted material moved to Cell C37

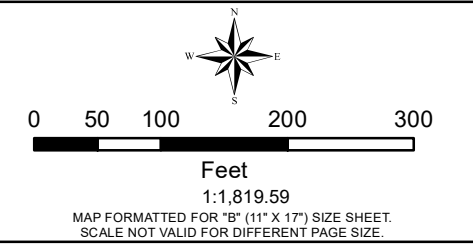
Refined Triton Ditch 6:
 PAJD0006
 • Excavated Area: 130 ft²
 • Excavated Volume: 10 yd³
 • 3 yd³ of impacted material moved to Cell C37

Legend

- PAJ Boundary
- 2020 Excavation Location
- 2019 Excavation Location
- 2020 Test Pit Grid
- Geoprobe or Test Pit Grid
- Pre-2019 Excavation Location
- Former Building
- Former Railroad
- Process Drains

Notes:

Area Map (Optional)



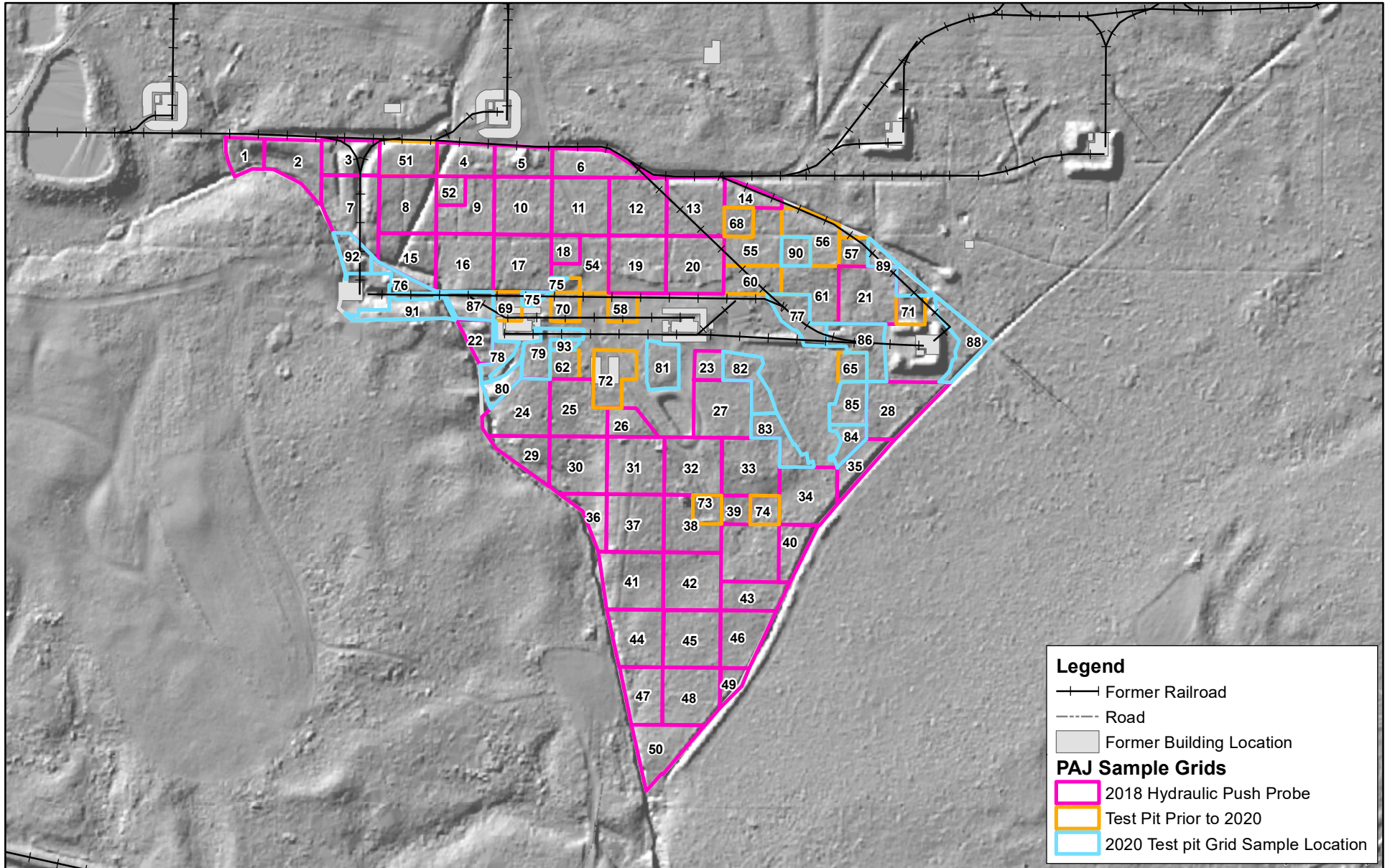
FILE NUMBER:
 DESIGNED BY: DJN
 DRAWN BY: DJN
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2020 PAJ Site Investigation Summary

2020 Site Investigation Summary
 Former DuPont Barksdale Works
 Barksdale, Wisconsin 54806

PROJECT NUMBER:
 60635957
 DATE:
 June 2021
 FIGURE NUMBER:
4



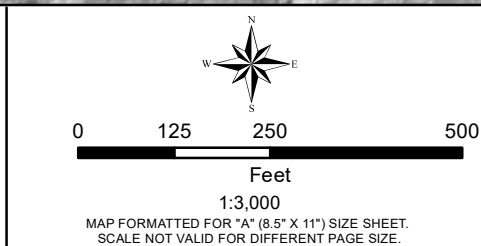
Legend

- +— Former Railroad
- Road
- Former Building Location

PAJ Sample Grids

- 2018 Hydraulic Push Probe
- Test Pit Prior to 2020
- 2020 Test pit Grid Sample Location

Area Map (Optional)



FILE NUMBER:
DESIGNED BY: DJN
DRAWN BY: DJN
DATA QUALITY CHECK BY: ECS

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AECOM
500 West Jefferson Street
Suite 1600
Louisville, Kentucky 40202

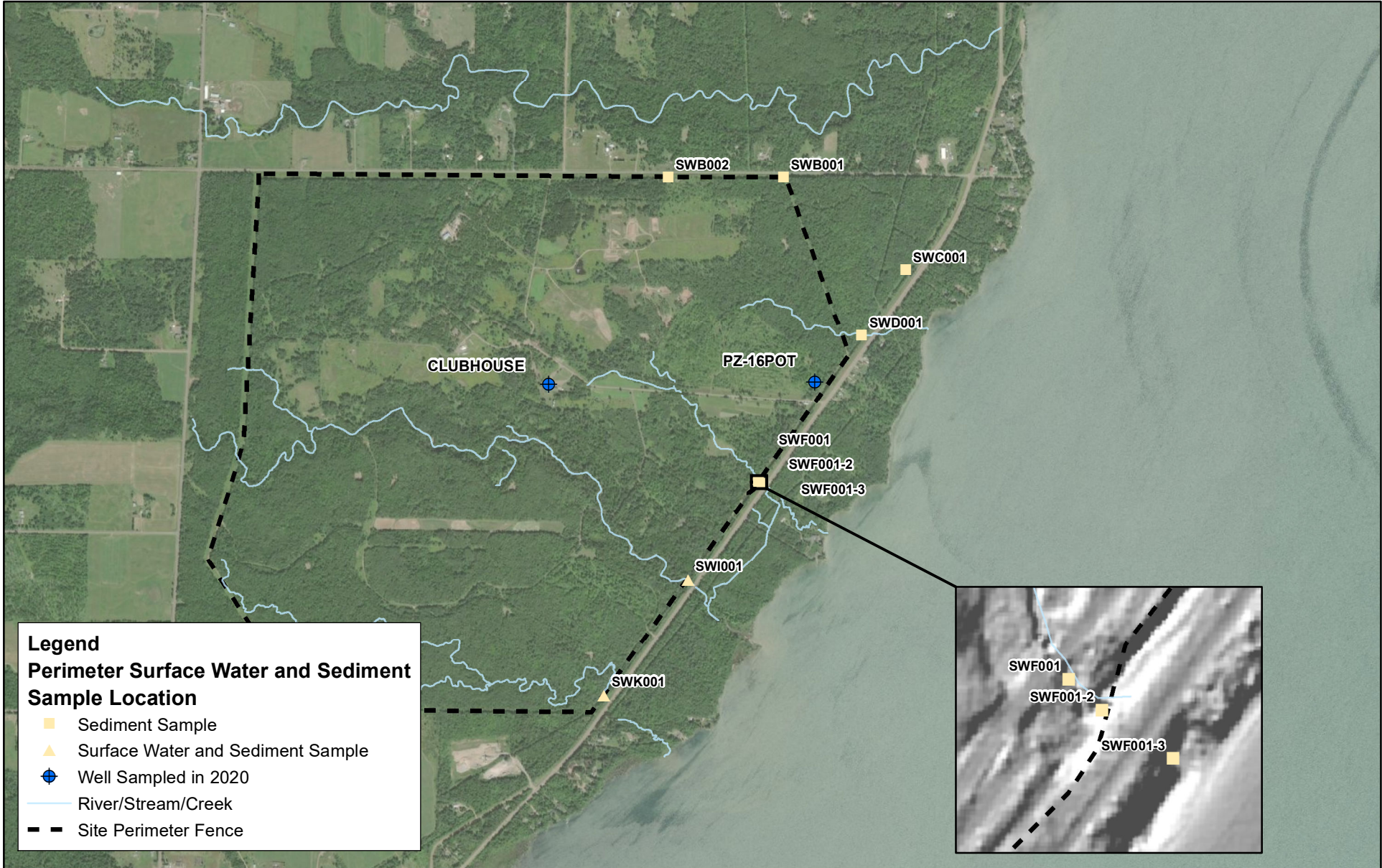
PAJ Grid Sample Locations

2020 Site Investigation Summary
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:
60635957

DATE:
June 2021

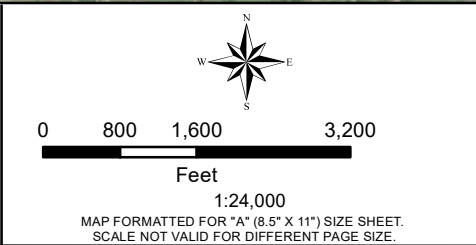
FIGURE NUMBER:
5



Legend
Perimeter Surface Water and Sediment Sample Location

- Sediment Sample
- ▲ Surface Water and Sediment Sample
- ⊕ Well Sampled in 2020
- River/Stream/Creek
- Site Perimeter Fence

Area Map (Optional)



FILE NUMBER:	
DESIGNED BY:	DJN
DRAWN BY:	DJN
DATA QUALITY CHECK BY:	ECS

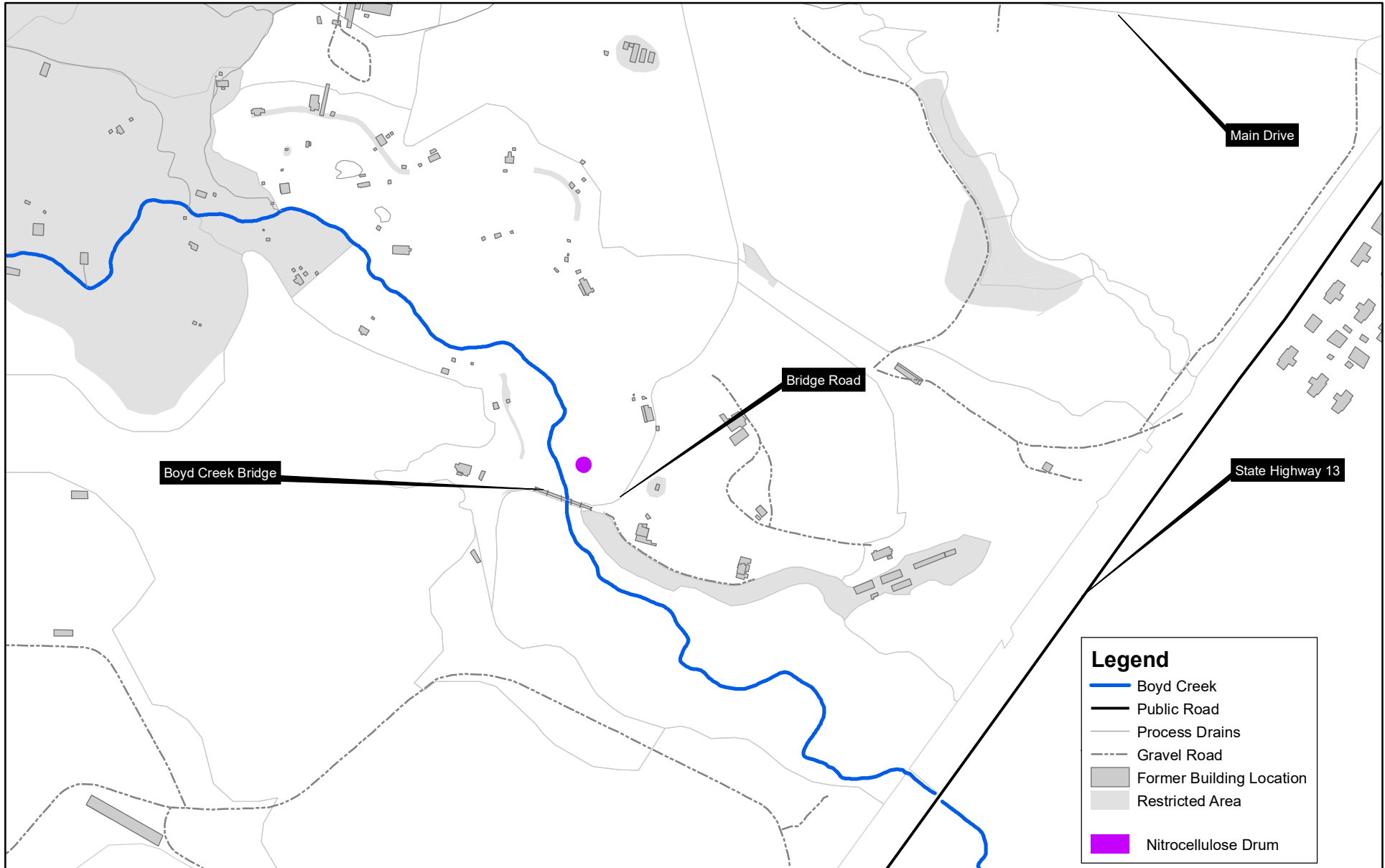
AECOM
 AECOM
 500 West Jefferson Street
 Suite 1600
 Louisville, Kentucky 40202

Water and Sediment Sampling Locations

2020 Site Investigation Summary
 Former DuPont Barksdale Works
 Barksdale, Wisconsin 54806

PROJECT NUMBER:	60635957
DATE:	June 2021
FIGURE NUMBER:	6

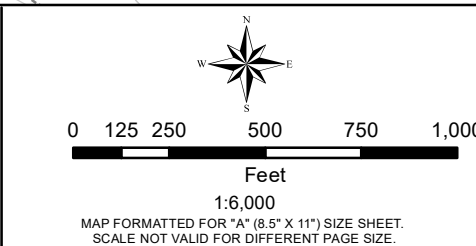
C:\Users\mmond.nielson\Desktop\Barksdale\GIS data\GIS Pioneer Files 1.14.2021\Maps\Maps 2021_DNI\WMM Progress Report 2020 Field Season\Fig05_Debris_Recovery_2.mxd



Legend

- Boyd Creek
- Public Road
- Process Drains
- Gravel Road
- Former Building Location
- Restricted Area
- Nitrocellulose Drum

Area Map (Optional)



FILE NUMBER:
 DESIGNED BY: DJN
 DRAWN BY: DJN
 DATA QUALITY CHECK BY: ECS

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 AECOM
 500 West Jefferson Street
 Suite 1600
 Louisville, Kentucky 40202

Former Nitrocellulose Drum Location
 2020 Site Investigation Summary
 Former DuPont Barksdale Works
 Barksdale, Wisconsin 54806

PROJECT NUMBER:
 60635957
 DATE:
 June 2021
 FIGURE NUMBER:
 7

Appendix A: Laboratory Analytical Reports



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

July 24, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 07/10/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAP Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Palzkill For Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-200708-PROPOSED-C37-N-0-4	A202817-01	Soil	07/08/2020	07/10/2020
SITG-200708-PROPOSED-C37-S-0-4	A202817-02	Soil	07/08/2020	07/10/2020

CASE NARRATIVE

Sample Receipt Information:

Two samples were received on 07/10/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200708-PROPOSED-C37-N-0-4

A202817-01 (Soil)

Date Sampled
07/08/2020 17:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A007168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	07/21/2020	07/21/2020 23:16	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 56.7 % 10-150 07/21/2020 07/21/2020 23:16 EPA 8270D

Surrogate: Nitrobenzene-d5 90.6 % 70-114 07/21/2020 07/21/2020 23:16 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A007166

% Solids	98.4	0.00	% by Weight	1	07/20/2020	07/21/2020 10:54	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200708-PROPOSED-C37-S-0-4

A202817-02 (Soil)

Date Sampled
07/08/2020 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A007168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	07/21/2020	07/21/2020 23:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		59.3 %		10-150	07/21/2020	07/21/2020 23:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.1 %		70-114	07/21/2020	07/21/2020 23:48	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A007166

% Solids	97.5	0.00	% by Weight	1	07/20/2020	07/21/2020 10:54	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007168 - EPA 3570

Blank (A007168-BLK1)

Prepared: 07/21/2020 Analyzed: 07/21/2020 22:45

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

Surrogate: 2,2'-Dinitrobiphenyl	1170		ug/kg wet	1943		60.2	10-150			
Surrogate: Nitrobenzene-d5	1840		ug/kg wet	2000		92.0	70-114			

LCS (A007168-BS1)

Prepared: 07/21/2020 Analyzed: 07/21/2020 21:42

1,2-Dimethyl-3,4-Dinitrobenzene	1900	200	ug/kg wet	1996		95.4	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1820	200	ug/kg wet	2020		90.0	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1860	200	ug/kg wet	1999		93.0	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1860	200	ug/kg wet	2026		91.9	72.5-113			
1,3,5-Trinitrobenzene	1620	200	ug/kg wet	2000		80.8	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	2020		91.4	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2002		92.6	81.2-108			
1,3-Dinitrobenzene	1710	200	ug/kg wet	2000		85.5	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg wet	2006		91.8	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg wet	2026		91.8	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1870	200	ug/kg wet	1996		93.5	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2012		92.6	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg wet	1966		95.0	75.5-106			
2,3-Dinitrotoluene	1850	200	ug/kg wet	2000		92.7	72.1-113			
2,4,6-Trinitrotoluene	1730	200	ug/kg wet	2000		86.4	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007168 - EPA 3570

LCS (A007168-BS1)

Prepared: 07/21/2020 Analyzed: 07/21/2020 21:42

2,4-Dinitrotoluene	1830	200	ug/kg wet	2000		91.5	68.7-120			
2,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.3	70.5-109			
2,6-Dinitrotoluene	1840	200	ug/kg wet	2000		91.8	78.1-111			
2-Amino-4,6-dinitrotoluene	1850	200	ug/kg wet	2000		92.5	65.3-107			
2-Nitrotoluene	1810	200	ug/kg wet	2000		90.3	76.5-115			
3,4-Dinitrotoluene	1820	100	ug/kg wet	2000		91.2	72.6-111			D
3,5-Dinitroaniline	1760	200	ug/kg wet	2000		88.2	63.8-110			
3,5-Dinitrotoluene	1830	200	ug/kg wet	2000		91.7	80.5-109			
3-Nitrotoluene	1830	200	ug/kg wet	2000		91.6	80-110			
4-Amino-2,6-dinitrotoluene	1620	200	ug/kg wet	2000		81.2	55.1-112			
4-Nitrotoluene	1840	200	ug/kg wet	2000		92.1	80.6-109			
Nitrobenzene	1870	200	ug/kg wet	2000		93.3	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1880</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>96.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1890</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>94.3</i>	<i>70-114</i>			

Matrix Spike (A007168-MS1)

Source: A202817-01

Prepared: 07/21/2020 Analyzed: 07/22/2020 00:19

1,2-Dimethyl-3,4-Dinitrobenzene	1890	200	ug/kg dry	2009	ND	94.0	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1820	200	ug/kg dry	2033	ND	89.3	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1880	200	ug/kg dry	2012	ND	93.5	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1790	200	ug/kg dry	2039	ND	87.7	64-114			
1,3,5-Trinitrobenzene	1450	200	ug/kg dry	2013	ND	71.9	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg dry	2033	ND	90.7	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg dry	2015	ND	91.8	75.4-111			
1,3-Dinitrobenzene	1510	200	ug/kg dry	2013	ND	74.8	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2019	ND	92.5	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg dry	2039	ND	91.2	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg dry	2009	ND	93.9	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2025	ND	91.3	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1880	200	ug/kg dry	1979	ND	94.9	64.6-113			
2,3-Dinitrotoluene	1750	200	ug/kg dry	2013	ND	86.9	61.7-112			
2,4,6-Trinitrotoluene	1640	200	ug/kg dry	2013	ND	81.5	27.1-169			
2,4-Dinitrotoluene	1760	200	ug/kg dry	2013	ND	87.7	57-126			
2,5-Dinitrotoluene	1670	200	ug/kg dry	2013	ND	83.0	64.6-108			
2,6-Dinitrotoluene	1770	200	ug/kg dry	2013	ND	88.0	66.2-116			
2-Amino-4,6-dinitrotoluene	1750	200	ug/kg dry	2013	ND	86.7	26.4-130			
2-Nitrotoluene	1790	200	ug/kg dry	2013	ND	89.1	73.2-116			
3,4-Dinitrotoluene	1780	100	ug/kg dry	2013	ND	88.4	59.8-115			D
3,5-Dinitroaniline	1590	200	ug/kg dry	2013	ND	78.8	31.2-124			
3,5-Dinitrotoluene	1770	200	ug/kg dry	2013	ND	88.1	69.5-111			
3-Nitrotoluene	1770	200	ug/kg dry	2013	ND	87.8	75.4-115			
4-Amino-2,6-dinitrotoluene	1580	200	ug/kg dry	2013	ND	78.7	20.6-139			
4-Nitrotoluene	1780	200	ug/kg dry	2013	ND	88.4	76.9-112			
Nitrobenzene	1770	200	ug/kg dry	2013	ND	88.0	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1830</i>		<i>ug/kg dry</i>	<i>1956</i>		<i>93.5</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1770</i>		<i>ug/kg dry</i>	<i>2013</i>		<i>87.7</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007168 - EPA 3570

Matrix Spike Dup (A007168-MSD1)

Source: A202817-01

Prepared: 07/21/2020 Analyzed: 07/22/2020 00:51

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg dry	2009	ND	93.1	67.1-109	1.00	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1850	200	ug/kg dry	2033	ND	91.1	68.4-108	1.96	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1840	200	ug/kg dry	2012	ND	91.5	72.5-113	2.14	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1860	200	ug/kg dry	2039	ND	91.1	64-114	3.74	20	
1,3,5-Trinitrobenzene	1520	200	ug/kg dry	2013	ND	75.7	10.7-145	5.23	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg dry	2033	ND	89.9	70.3-111	0.789	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg dry	2015	ND	92.1	75.4-111	0.328	20	
1,3-Dinitrobenzene	1630	200	ug/kg dry	2013	ND	80.9	45.5-120	7.74	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg dry	2019	ND	90.8	65.1-109	1.91	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg dry	2039	ND	91.5	68.4-110	0.349	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1860	200	ug/kg dry	2009	ND	92.4	69.5-110	1.55	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2025	ND	92.1	67-109	0.828	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1860	200	ug/kg dry	1979	ND	93.8	64.6-113	1.11	20	
2,3-Dinitrotoluene	1770	200	ug/kg dry	2013	ND	87.7	61.7-112	0.870	20	
2,4,6-Trinitrotoluene	1750	200	ug/kg dry	2013	ND	87.0	27.1-169	6.45	20	
2,4-Dinitrotoluene	1860	200	ug/kg dry	2013	ND	92.2	57-126	5.06	20	
2,5-Dinitrotoluene	1740	200	ug/kg dry	2013	ND	86.6	64.6-108	4.31	20	
2,6-Dinitrotoluene	1810	200	ug/kg dry	2013	ND	89.9	66.2-116	2.14	20	
2-Amino-4,6-dinitrotoluene	1720	200	ug/kg dry	2013	ND	85.5	26.4-130	1.42	20	
2-Nitrotoluene	1850	200	ug/kg dry	2013	ND	91.9	73.2-116	3.10	20	
3,4-Dinitrotoluene	1790	100	ug/kg dry	2013	ND	89.2	59.8-115	0.847	20	D
3,5-Dinitroaniline	1630	200	ug/kg dry	2013	ND	80.7	31.2-124	2.39	20	
3,5-Dinitrotoluene	1800	200	ug/kg dry	2013	ND	89.6	69.5-111	1.72	20	
3-Nitrotoluene	1840	200	ug/kg dry	2013	ND	91.2	75.4-115	3.77	20	
4-Amino-2,6-dinitrotoluene	1620	200	ug/kg dry	2013	ND	80.4	20.6-139	2.07	20	
4-Nitrotoluene	1850	200	ug/kg dry	2013	ND	91.9	76.9-112	3.86	20	
Nitrobenzene	1880	200	ug/kg dry	2013	ND	93.6	74-115	6.12	20	
Surrogate: 2,2'-Dinitrobiphenyl	1870		ug/kg dry	1956		95.6	10-150			
Surrogate: Nitrobenzene-d5	1890		ug/kg dry	2013		93.8	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007166 - % Solids

Duplicate (A007166-DUP1)

Source: A202804-40

Prepared: 07/20/2020 Analyzed: 07/21/2020 10:54

% Solids	77.6	0.00	% by Weight		76.7			1.11	20	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

September 11, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 08/27/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SIGP-200811-PAJ-75-0-2	A203526-01	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-75-2-4	A203526-02	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-77-0-2	A203526-03	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-77-2-4	A203526-04	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-88-0-2	A203526-05	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-88-2-4	A203526-06	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-89-0-2	A203526-07	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-89-0-2-D	A203526-08	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-89-2-4	A203526-09	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-89-2-4-D	A203526-10	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-90-0-2	A203526-11	Soil	08/11/2020	08/27/2020
SIGP-200811-PAJ-90-2-4	A203526-12	Soil	08/11/2020	08/27/2020
SIGP-200824-PAJ-86-0-2	A203526-13	Soil	08/24/2020	08/27/2020
SIGP-200824-PAJ-86-2-4	A203526-14	Soil	08/24/2020	08/27/2020
SIGP-200824-PAJ-85-0-2	A203526-15	Soil	08/24/2020	08/27/2020
SIGP-200824-PAJ-85-2-4	A203526-16	Soil	08/24/2020	08/27/2020
SIGP-200824-PAJ-84-0-2	A203526-17	Soil	08/24/2020	08/27/2020
SIGP-200824-PAJ-84-2-4	A203526-18	Soil	08/24/2020	08/27/2020
SIGP-200825-PAJ-83-0-2	A203526-19	Soil	08/25/2020	08/27/2020
SIGP-200825-PAJ-83-2-4	A203526-20	Soil	08/25/2020	08/27/2020
SIGP-200825-PAJ-82-0-2	A203526-21	Soil	08/25/2020	08/27/2020
SIGP-200825-PAJ-82-2-4	A203526-22	Soil	08/25/2020	08/27/2020
SIGP-200825-PAJ-81-0-2	A203526-23	Soil	08/25/2020	08/27/2020
SIGP-200825-PAJ-81-2-4	A203526-24	Soil	08/25/2020	08/27/2020
SIGP-200825-PAJ-78-0-2	A203526-25	Soil	08/25/2020	08/27/2020
SIGP-200825-PAJ-78-2-4	A203526-26	Soil	08/25/2020	08/27/2020

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

CASE NARRATIVE

Sample Receipt Information:

26 samples were received on 08/27/2020. Samples were received in acceptable condition.

Samples were kept frozen from the date of collection by the client.

Please see the chain of custody (COC) document at the end of this report for additional information.

Laboratory Control Samples (LCS):

The E1 footnote on samples A203526-01 through A203526-20 indicates that there were quality control sample exceedances for 3,5-dinitrotoluene. The LCS recovery was below acceptable limits. Please see the quality control section of the report for more information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-75-0-2

A203526-01 (Soil)

Date Sampled
08/11/2020 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 10:05	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 54.9 % 10-150 09/08/2020 09/09/2020 10:05 EPA 8270D

Surrogate: Nitrobenzene-d5 88.1 % 70-114 09/08/2020 09/09/2020 10:05 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	97.6	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-75-2-4

A203526-02 (Soil)

Date Sampled
08/11/2020 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 09:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.4 %		10-150	09/08/2020	09/09/2020 09:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.2 %		70-114	09/08/2020	09/09/2020 09:33	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	99.0	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-77-0-2

A203526-03 (Soil)

Date Sampled
08/11/2020 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 09:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		58.2 %		10-150	09/08/2020	09/09/2020 09:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.5 %		70-114	09/08/2020	09/09/2020 09:02	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	95.8	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-77-2-4

A203526-04 (Soil)

Date Sampled
08/11/2020 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 08:30	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.5 %		10-150	09/08/2020	09/09/2020 08:30	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.0 %		70-114	09/08/2020	09/09/2020 08:30	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	97.4	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-88-0-2

A203526-05 (Soil)

Date Sampled
08/11/2020 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:56	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.1 %		10-150	09/08/2020	09/09/2020 06:56	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.5 %		70-114	09/08/2020	09/09/2020 06:56	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	97.9	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-88-2-4

A203526-06 (Soil)

Date Sampled
08/11/2020 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 06:25	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.8 %		10-150	09/08/2020	09/09/2020 06:25	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.4 %		70-114	09/08/2020	09/09/2020 06:25	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	99.1	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-89-0-2

A203526-07 (Soil)

Date Sampled
08/11/2020 11:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 05:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.3 %		10-150	09/08/2020	09/09/2020 05:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.4 %		70-114	09/08/2020	09/09/2020 05:53	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	96.3	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-89-0-2-D

A203526-08 (Soil)

Date Sampled
08/11/2020 11:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 05:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.5 %		10-150	09/08/2020	09/09/2020 05:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.9 %		70-114	09/08/2020	09/09/2020 05:22	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	97.9	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-89-2-4

A203526-09 (Soil)

Date Sampled
08/11/2020 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.5 %		10-150	09/08/2020	09/09/2020 04:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.3 %		70-114	09/08/2020	09/09/2020 04:51	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.1	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-89-2-4-D

A203526-10 (Soil)

Date Sampled
08/11/2020 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 04:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.9 %		10-150	09/08/2020	09/09/2020 04:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.2 %		70-114	09/08/2020	09/09/2020 04:20	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.2	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-90-0-2

A203526-11 (Soil)

Date Sampled
08/11/2020 09:21

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.5 %		10-150	09/08/2020	09/09/2020 03:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		70-114	09/08/2020	09/09/2020 03:48	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.0	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200811-PAJ-90-2-4

A203526-12 (Soil)

Date Sampled
08/11/2020 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 03:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.1 %		10-150	09/08/2020	09/09/2020 03:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		70-114	09/08/2020	09/09/2020 03:17	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.0	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200824-PAJ-86-0-2

A203526-13 (Soil)

Date Sampled
08/24/2020 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.6 %		10-150	09/08/2020	09/09/2020 02:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.2 %		70-114	09/08/2020	09/09/2020 02:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.1	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200824-PAJ-86-2-4

Date Sampled
08/24/2020 11:15

A203526-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/09/2020 02:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.5 %		10-150	09/08/2020	09/09/2020 02:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.5 %		70-114	09/08/2020	09/09/2020 02:14	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	99.1	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200824-PAJ-85-0-2

A203526-15 (Soil)

Date Sampled
08/24/2020 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2020	09/09/2020 00:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.7 %		10-150	09/08/2020	09/09/2020 00:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.3 %		70-114	09/08/2020	09/09/2020 00:09	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.1	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200824-PAJ-85-2-4

Date Sampled

A203526-16 (Soil)

08/24/2020 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.3 %		10-150	09/08/2020	09/08/2020 23:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.4 %		70-114	09/08/2020	09/08/2020 23:37	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.7	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200824-PAJ-84-0-2

A203526-17 (Soil)

Date Sampled
08/24/2020 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 23:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.8 %		10-150	09/08/2020	09/08/2020 23:06	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.1 %		70-114	09/08/2020	09/08/2020 23:06	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	97.2	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200824-PAJ-84-2-4

A203526-18 (Soil)

Date Sampled
08/24/2020 16:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2020	09/08/2020 22:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.1 %		10-150	09/08/2020	09/08/2020 22:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.8 %		70-114	09/08/2020	09/08/2020 22:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.0	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-83-0-2

A203526-19 (Soil)

Date Sampled
08/25/2020 08:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 22:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.7 %		10-150	09/08/2020	09/08/2020 22:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.0 %		70-114	09/08/2020	09/08/2020 22:03	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.2	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-83-2-4

A203526-20 (Soil)

Date Sampled
08/25/2020 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009117

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2020	09/08/2020 21:32	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.2 %		10-150	09/08/2020	09/08/2020 21:32	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.2 %		70-114	09/08/2020	09/08/2020 21:32	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009125

% Solids	98.4	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-82-0-2

A203526-21 (Soil)

Date Sampled
08/25/2020 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/09/2020	09/09/2020 21:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		45.4 %		10-150	09/09/2020	09/09/2020 21:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.2 %		70-114	09/09/2020	09/09/2020 21:33	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	97.4	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-82-2-4

A203526-22 (Soil)

Date Sampled
08/25/2020 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/09/2020	09/09/2020 22:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.1 %		10-150	09/09/2020	09/09/2020 22:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		70-114	09/09/2020	09/09/2020 22:04	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	97.7	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-81-0-2

A203526-23 (Soil)

Date Sampled
08/25/2020 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 10:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.8 %		10-150	09/09/2020	09/10/2020 10:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		70-114	09/09/2020	09/10/2020 10:54	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	96.4	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-81-2-4

A203526-24 (Soil)

Date Sampled
08/25/2020 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 00:40	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.8 %		10-150	09/09/2020	09/10/2020 00:40	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.5 %		70-114	09/09/2020	09/10/2020 00:40	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	95.3	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-78-0-2

A203526-25 (Soil)

Date Sampled
08/25/2020 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
2,4,6-Trinitrotoluene	83000	1700	ug/kg dry	8	09/09/2020	09/10/2020 15:53	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	910	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	940	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 01:11	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		88.2 %		10-150	09/09/2020	09/10/2020 01:11	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.3 %		70-114	09/09/2020	09/10/2020 01:11	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	95.8	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200825-PAJ-78-2-4

A203526-26 (Soil)

Date Sampled
08/25/2020 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 01:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.5 %		10-150	09/09/2020	09/10/2020 01:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.1 %		70-114	09/09/2020	09/10/2020 01:43	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	98.5	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009117 - EPA 3570

Blank (A009117-BLK1)

Prepared: 09/08/2020 Analyzed: 09/08/2020 19:27

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

Surrogate: 2,2'-Dinitrobiphenyl	1070	ug/kg wet	1943	55.3	10-150
Surrogate: Nitrobenzene-d5	1890	ug/kg wet	2000	94.7	70-114

LCS (A009117-BS1)

Prepared: 09/08/2020 Analyzed: 09/08/2020 19:58

1,2-Dimethyl-3,4-Dinitrobenzene	1770	200	ug/kg wet	1996	88.7	79.8-107
1,2-Dimethyl-3,5-Dinitrobenzene	1680	200	ug/kg wet	2020	83.1	77.4-105
1,2-Dimethyl-3,6-Dinitrobenzene	1760	200	ug/kg wet	1999	88.1	82.4-108
1,2-Dimethyl-4,5-Dinitrobenzene	1660	200	ug/kg wet	2026	81.9	72.5-113
1,3,5-Trinitrobenzene	1490	200	ug/kg wet	2000	74.7	41.7-129
1,3-Dimethyl-2,4-Dinitrobenzene	1650	200	ug/kg wet	2020	81.7	74.2-108
1,3-Dimethyl-2,5-Dinitrobenzene	1630	200	ug/kg wet	2002	81.5	81.2-108
1,3-Dinitrobenzene	1410	200	ug/kg wet	2000	70.7	54.1-119
1,4-Dimethyl-2,3-Dinitrobenzene	1720	200	ug/kg wet	2006	86.0	78.2-104
1,4-Dimethyl-2,5-Dinitrobenzene	1720	200	ug/kg wet	2026	85.1	75.3-106
1,4-Dimethyl-2,6-Dinitrobenzene	1710	200	ug/kg wet	1996	85.5	73.6-108
1,5-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2012	89.6	79.6-105
1,5-Dimethyl-2,4-Dinitrobenzene	1620	200	ug/kg wet	1966	82.3	75.5-106
2,3-Dinitrotoluene	1660	200	ug/kg wet	2000	82.9	72.1-113
2,4,6-Trinitrotoluene	1780	200	ug/kg wet	2000	88.8	65.6-124

AECOM
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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009117 - EPA 3570

LCS (A009117-BS1)

Prepared: 09/08/2020 Analyzed: 09/08/2020 19:58

2,4-Dinitrotoluene	1700	200	ug/kg wet	2000		85.1	68.7-120			
2,5-Dinitrotoluene	1430	200	ug/kg wet	2000		71.5	70.5-109			
2,6-Dinitrotoluene	1680	200	ug/kg wet	2000		84.1	78.1-111			
2-Amino-4,6-dinitrotoluene	1580	200	ug/kg wet	2000		79.1	65.3-107			
2-Nitrotoluene	1720	200	ug/kg wet	2000		86.0	76.5-115			
3,4-Dinitrotoluene	1740	100	ug/kg wet	2000		87.1	72.6-111			D
3,5-Dinitroaniline	1540	200	ug/kg wet	2000		77.2	63.8-110			
3,5-Dinitrotoluene	1560	200	ug/kg wet	2000		77.8	80.5-109			
3-Nitrotoluene	1730	200	ug/kg wet	2000		86.4	80-110			
4-Amino-2,6-dinitrotoluene	1560	200	ug/kg wet	2000		78.0	55.1-112			
4-Nitrotoluene	1730	200	ug/kg wet	2000		86.5	80.6-109			
Nitrobenzene	1750	200	ug/kg wet	2000		87.4	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1700</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>87.7</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1710</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>85.6</i>	<i>70-114</i>			

Matrix Spike (A009117-MS1)

Source: A203526-18

Prepared: 09/08/2020 Analyzed: 09/08/2020 20:29

1,2-Dimethyl-3,4-Dinitrobenzene	1730	210	ug/kg dry	2050	ND	84.2	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1680	210	ug/kg dry	2074	ND	81.1	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1760	210	ug/kg dry	2053	ND	85.8	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1610	210	ug/kg dry	2080	ND	77.6	64-114			
1,3,5-Trinitrobenzene	1270	210	ug/kg dry	2054	ND	61.8	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1640	210	ug/kg dry	2074	ND	79.3	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1650	210	ug/kg dry	2056	ND	80.1	75.4-111			
1,3-Dinitrobenzene	1260	210	ug/kg dry	2054	ND	61.4	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1690	210	ug/kg dry	2060	ND	82.2	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1690	210	ug/kg dry	2080	ND	81.4	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1680	210	ug/kg dry	2050	ND	82.0	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1760	210	ug/kg dry	2066	ND	85.3	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1580	210	ug/kg dry	2019	ND	78.5	64.6-113			
2,3-Dinitrotoluene	1630	210	ug/kg dry	2054	ND	79.5	61.7-112			
2,4,6-Trinitrotoluene	1540	210	ug/kg dry	2054	ND	74.8	27.1-169			
2,4-Dinitrotoluene	1490	210	ug/kg dry	2054	ND	72.6	57-126			
2,5-Dinitrotoluene	1440	210	ug/kg dry	2054	ND	70.2	64.6-108			
2,6-Dinitrotoluene	1450	210	ug/kg dry	2054	ND	70.7	66.2-116			
2-Amino-4,6-dinitrotoluene	1220	210	ug/kg dry	2054	ND	59.2	26.4-130			
2-Nitrotoluene	1590	210	ug/kg dry	2054	ND	77.3	73.2-116			
3,4-Dinitrotoluene	1570	100	ug/kg dry	2054	ND	76.6	59.8-115			D
3,5-Dinitroaniline	1200	210	ug/kg dry	2054	ND	58.4	31.2-124			
3,5-Dinitrotoluene	1610	210	ug/kg dry	2054	ND	78.2	69.5-111			
3-Nitrotoluene	1590	210	ug/kg dry	2054	ND	77.6	75.4-115			
4-Amino-2,6-dinitrotoluene	1250	210	ug/kg dry	2054	ND	60.7	20.6-139			
4-Nitrotoluene	1600	210	ug/kg dry	2054	ND	78.0	76.9-112			
Nitrobenzene	1600	210	ug/kg dry	2054	ND	78.0	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1640</i>		<i>ug/kg dry</i>	<i>1995</i>		<i>82.3</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1810</i>		<i>ug/kg dry</i>	<i>2054</i>		<i>88.3</i>	<i>70-114</i>			

AECOM
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Newark DE, 19713

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Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009117 - EPA 3570

Matrix Spike Dup (A009117-MSD1)

Source: A203526-18

Prepared: 09/08/2020 Analyzed: 09/08/2020 21:01

1,2-Dimethyl-3,4-Dinitrobenzene	1770	210	ug/kg dry	2050	ND	86.3	67.1-109	2.41	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1680	210	ug/kg dry	2074	ND	80.9	68.4-108	0.253	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1800	210	ug/kg dry	2053	ND	87.6	72.5-113	2.13	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1730	210	ug/kg dry	2080	ND	83.2	64-114	6.93	20	
1,3,5-Trinitrobenzene	1410	210	ug/kg dry	2054	ND	68.7	10.7-145	10.6	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1720	210	ug/kg dry	2074	ND	83.1	70.3-111	4.74	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1740	210	ug/kg dry	2056	ND	84.7	75.4-111	5.59	20	
1,3-Dinitrobenzene	1510	210	ug/kg dry	2054	ND	73.6	45.5-120	18.1	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1770	210	ug/kg dry	2060	ND	86.1	65.1-109	4.67	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1770	210	ug/kg dry	2080	ND	85.2	68.4-110	4.67	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1780	210	ug/kg dry	2050	ND	86.9	69.5-110	5.73	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1790	210	ug/kg dry	2066	ND	86.9	67-109	1.78	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1660	210	ug/kg dry	2019	ND	82.1	64.6-113	4.51	20	
2,3-Dinitrotoluene	1670	210	ug/kg dry	2054	ND	81.5	61.7-112	2.48	20	
2,4,6-Trinitrotoluene	1770	210	ug/kg dry	2054	ND	86.0	27.1-169	14.0	20	
2,4-Dinitrotoluene	1710	210	ug/kg dry	2054	ND	83.3	57-126	13.7	20	
2,5-Dinitrotoluene	1560	210	ug/kg dry	2054	ND	75.8	64.6-108	7.76	20	
2,6-Dinitrotoluene	1700	210	ug/kg dry	2054	ND	82.8	66.2-116	15.7	20	
2-Amino-4,6-dinitrotoluene	1420	210	ug/kg dry	2054	ND	69.1	26.4-130	15.4	20	
2-Nitrotoluene	1730	210	ug/kg dry	2054	ND	84.2	73.2-116	8.59	20	
3,4-Dinitrotoluene	1720	100	ug/kg dry	2054	ND	83.8	59.8-115	8.96	20	D
3,5-Dinitroaniline	1410	210	ug/kg dry	2054	ND	68.7	31.2-124	16.2	20	
3,5-Dinitrotoluene	1680	210	ug/kg dry	2054	ND	81.8	69.5-111	4.47	20	
3-Nitrotoluene	1770	210	ug/kg dry	2054	ND	86.2	75.4-115	10.4	20	
4-Amino-2,6-dinitrotoluene	1460	210	ug/kg dry	2054	ND	71.0	20.6-139	15.6	20	
4-Nitrotoluene	1770	210	ug/kg dry	2054	ND	86.4	76.9-112	10.2	20	
Nitrobenzene	1750	210	ug/kg dry	2054	ND	85.1	74-115	8.70	20	
Surrogate: 2,2'-Dinitrobiphenyl	1690		ug/kg dry	1995		84.5	10-150			
Surrogate: Nitrobenzene-d5	1850		ug/kg dry	2054		89.9	70-114			

AECOM
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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009121 - EPA 3570

Blank (A009121-BLK1)

Prepared: 09/09/2020 Analyzed: 09/09/2020 19:27

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrophenyl</i>	<i>932</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>48.0</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>88.8</i>	<i>70-114</i>			

LCS (A009121-BS1)

Prepared: 09/09/2020 Analyzed: 09/09/2020 19:58

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	1996		91.8	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1890	200	ug/kg wet	2020		93.8	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999		94.6	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1820	200	ug/kg wet	2026		89.8	72.5-113			
1,3,5-Trinitrobenzene	1730	200	ug/kg wet	2000		86.3	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1740	200	ug/kg wet	2020		86.3	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1780	200	ug/kg wet	2002		89.0	81.2-108			
1,3-Dinitrobenzene	1660	200	ug/kg wet	2000		82.8	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006		89.6	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg wet	2026		88.7	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1820	200	ug/kg wet	1996		91.1	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1950	200	ug/kg wet	2012		96.7	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg wet	1966		89.3	75.5-106			
2,3-Dinitrotoluene	1820	200	ug/kg wet	2000		91.1	72.1-113			
2,4,6-Trinitrotoluene	1960	200	ug/kg wet	2000		98.2	65.6-124			
2,4-Dinitrotoluene	1830	200	ug/kg wet	2000		91.5	68.7-120			

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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009121 - EPA 3570

LCS (A009121-BS1)

Prepared: 09/09/2020 Analyzed: 09/09/2020 19:58

2,5-Dinitrotoluene	1700	200	ug/kg wet	2000		84.9	70.5-109			
2,6-Dinitrotoluene	1810	200	ug/kg wet	2000		90.6	78.1-111			
2-Amino-4,6-dinitrotoluene	1810	200	ug/kg wet	2000		90.7	65.3-107			
2-Nitrotoluene	1710	200	ug/kg wet	2000		85.3	76.5-115			
3,4-Dinitrotoluene	1840	100	ug/kg wet	2000		91.8	72.6-111			D
3,5-Dinitroaniline	1830	200	ug/kg wet	2000		91.6	63.8-110			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		88.2	80.5-109			
3-Nitrotoluene	1770	200	ug/kg wet	2000		88.6	80-110			
4-Amino-2,6-dinitrotoluene	1760	200	ug/kg wet	2000		87.8	55.1-112			
4-Nitrotoluene	1780	200	ug/kg wet	2000		88.8	80.6-109			
Nitrobenzene	1780	200	ug/kg wet	2000		89.0	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1660</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>85.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1720</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>85.8</i>	<i>70-114</i>			

Matrix Spike (A009121-MS1)

Source: A203615-05

Prepared: 09/09/2020 Analyzed: 09/09/2020 20:30

1,2-Dimethyl-3,4-Dinitrobenzene	1890	200	ug/kg dry	2012	ND	94.1	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1940	200	ug/kg dry	2036	ND	95.2	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1870	200	ug/kg dry	2015	ND	93.0	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg dry	2042	ND	87.4	64-114			
1,3,5-Trinitrobenzene	1750	200	ug/kg dry	2016	ND	86.7	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2036	ND	87.8	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg dry	2018	ND	90.6	75.4-111			
1,3-Dinitrobenzene	1720	200	ug/kg dry	2016	ND	85.2	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2022	ND	91.7	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg dry	2042	ND	90.8	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2012	ND	91.0	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg dry	2028	ND	94.9	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg dry	1981	ND	89.9	64.6-113			
2,3-Dinitrotoluene	1850	200	ug/kg dry	2016	ND	92.0	61.7-112			
2,4,6-Trinitrotoluene	1990	200	ug/kg dry	2016	ND	98.7	27.1-169			
2,4-Dinitrotoluene	1850	200	ug/kg dry	2016	ND	91.7	57-126			
2,5-Dinitrotoluene	1760	200	ug/kg dry	2016	ND	87.3	64.6-108			
2,6-Dinitrotoluene	1840	200	ug/kg dry	2016	ND	91.3	66.2-116			
2-Amino-4,6-dinitrotoluene	1780	200	ug/kg dry	2016	ND	88.5	26.4-130			
2-Nitrotoluene	1730	200	ug/kg dry	2016	ND	85.9	73.2-116			
3,4-Dinitrotoluene	1840	100	ug/kg dry	2016	ND	91.3	59.8-115			D
3,5-Dinitroaniline	1810	200	ug/kg dry	2016	ND	90.0	31.2-124			
3,5-Dinitrotoluene	1800	200	ug/kg dry	2016	ND	89.3	69.5-111			
3-Nitrotoluene	1830	200	ug/kg dry	2016	ND	90.9	75.4-115			
4-Amino-2,6-dinitrotoluene	1760	200	ug/kg dry	2016	ND	87.1	20.6-139			
4-Nitrotoluene	1830	200	ug/kg dry	2016	ND	90.6	76.9-112			
Nitrobenzene	1830	200	ug/kg dry	2016	ND	90.9	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1660</i>		<i>ug/kg dry</i>	<i>1958</i>		<i>84.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1800</i>		<i>ug/kg dry</i>	<i>2016</i>		<i>89.4</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009121 - EPA 3570

Matrix Spike Dup (A009121-MSD1)

Source: A203615-05

Prepared: 09/09/2020 Analyzed: 09/09/2020 21:01

1,2-Dimethyl-3,4-Dinitrobenzene	1900	200	ug/kg dry	2012	ND	94.3	67.1-109	0.214	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1900	200	ug/kg dry	2036	ND	93.4	68.4-108	1.81	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg dry	2015	ND	93.7	72.5-113	0.693	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1810	200	ug/kg dry	2042	ND	88.7	64-114	1.53	20	
1,3,5-Trinitrobenzene	1770	200	ug/kg dry	2016	ND	88.0	10.7-145	1.48	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg dry	2036	ND	88.4	70.3-111	0.709	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2018	ND	90.0	75.4-111	0.652	20	
1,3-Dinitrobenzene	1750	200	ug/kg dry	2016	ND	86.7	45.5-120	1.67	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg dry	2022	ND	90.6	65.1-109	1.16	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg dry	2042	ND	89.7	68.4-110	1.16	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2012	ND	91.0	69.5-110	0.0143	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1930	200	ug/kg dry	2028	ND	95.4	67-109	0.590	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg dry	1981	ND	89.6	64.6-113	0.397	20	
2,3-Dinitrotoluene	1870	200	ug/kg dry	2016	ND	92.7	61.7-112	0.774	20	
2,4,6-Trinitrotoluene	2010	200	ug/kg dry	2016	ND	99.6	27.1-169	0.849	20	
2,4-Dinitrotoluene	1880	200	ug/kg dry	2016	ND	93.4	57-126	1.85	20	
2,5-Dinitrotoluene	1750	200	ug/kg dry	2016	ND	87.1	64.6-108	0.276	20	
2,6-Dinitrotoluene	1870	200	ug/kg dry	2016	ND	92.8	66.2-116	1.55	20	
2-Amino-4,6-dinitrotoluene	1800	200	ug/kg dry	2016	ND	89.4	26.4-130	0.964	20	
2-Nitrotoluene	1750	200	ug/kg dry	2016	ND	86.8	73.2-116	0.930	20	
3,4-Dinitrotoluene	1860	100	ug/kg dry	2016	ND	92.4	59.8-115	1.23	20	D
3,5-Dinitroaniline	1870	200	ug/kg dry	2016	ND	92.6	31.2-124	2.82	20	
3,5-Dinitrotoluene	1810	200	ug/kg dry	2016	ND	89.6	69.5-111	0.363	20	
3-Nitrotoluene	1840	200	ug/kg dry	2016	ND	91.1	75.4-115	0.205	20	
4-Amino-2,6-dinitrotoluene	1780	200	ug/kg dry	2016	ND	88.2	20.6-139	1.24	20	
4-Nitrotoluene	1820	200	ug/kg dry	2016	ND	90.1	76.9-112	0.559	20	
Nitrobenzene	1840	200	ug/kg dry	2016	ND	91.2	74-115	0.390	20	
Surrogate: 2,2'-Dinitrobiphenyl	1660		ug/kg dry	1958		84.6	10-150			
Surrogate: Nitrobenzene-d5	1800		ug/kg dry	2016		89.2	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control
Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009125 - % Solids

Duplicate (A009125-DUP1)		Source: A203526-01		Prepared: 09/10/2020 Analyzed: 09/11/2020 09:03						
% Solids	97.7	0.00	% by Weight		97.6			0.0914	20	

Batch A009126 - % Solids

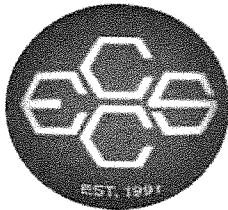
Duplicate (A009126-DUP1)		Source: A203615-05		Prepared: 09/10/2020 Analyzed: 09/11/2020 09:03						
% Solids	99.6	0.00	% by Weight		99.6			0.0414	20	

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

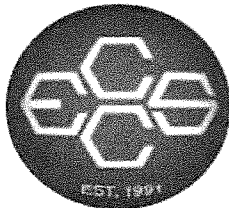
- E1 Estimated value because of quality control sample exceedances.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference
- Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: 00005057-20001 Site Investigation				Lab Work Order #: A20352L				Mail Report To: Sharon Nordstrom											
Project Name: Barksdale				Preservation Codes				Company: AECOM											
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd											
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com											
If Rush, Report Due Date:				Matrix				Total # of Containers				Invoice To:							
Sampled By (Print): Desmond Nielsen & Eric Schmidt												NNOCS				Company: AECOM			
<i>Samples frozen. Placed in freezer after collection</i> Sample Description				Collection				Address:								Lab ID			
								Date				Time				Comments			
SIGP-200811-PAJ-75(0-2)				8/11/2020				15:45				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				01			
SIGP-200811-PAJ-75(2-4)				8/11/2020				15:50				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				02			
SIGP-200811-PAJ-77(0-2)				8/11/2020				15:00				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				03			
SIGP-200811-PAJ-77(2-4)				8/11/2020				15:05				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				04			
SIGP-200811-PAJ-88(0-2)				8/11/2020				10:45				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				05			
SIGP-200811-PAJ-88(2-4)				8/11/2020				10:50				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				06			
SIGP-200811-PAJ-89(0-2)				8/11/2020				11:35				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				07			
SIGP-200811-PAJ-89(0-2)-D				8/11/2020				11:35				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Dup 08			
SIGP-200811-PAJ-89(2-4)				8/11/2020				11:40				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				09			
SIGP-200811-PAJ-89(2-4)-D				8/11/2020				11:40				S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Dup 10			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*				Relinquished By: <i>Desmond Nielsen</i> Date: 8/26/2020 Time: 11:00				Relinquished By: Date: Time:				Received By: <i>[Signature]</i> Date: 8/24/20 Time: 12:15			
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s: 866314				Shipped Via: FedEx				Receipt Temp: 4.0C <i>SINCE 8/22/20</i> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Temp Blank:			

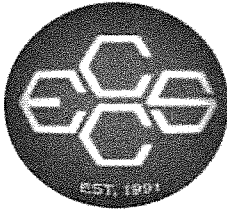


Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: 6635557-20084 <i>Site investigation</i>				Lab Work Order #: A203526				Mail Report To: Sharon Nordstrom							
Project Name: Barksdale				Preservation Codes				Company: AECOM							
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com							
If Rush, Report Due Date:				Matrix				Total # of Containers				Invoice To:			
Sampled By (Print): Desmond Nielsen & Eric Schmidt												NNOCS			
<i>Samples Placed in Freezer after collection</i> Sample Description				Collection		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Address:					
				Date	Time					Comments				Lab ID	Lab Receipt Time
SIGP-200811-PAJ-90(0-2)		8/11/2020	09:21	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		11			
SIGP-200811-PAJ-90(2-4)		8/11/2020	09:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		12			
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>Desmond Nielsen</i> Date: <i>8/26/20</i> Time: <i>11:00</i>				Received By: <i>[Signature]</i> Date: <i>8/27/20</i> Time: <i>12:15</i>							
Matrix Codes A=Air S=Soil W=Water O=Other		Relinquished By: _____ Date: _____ Time: _____				Received By: _____ Date: _____ Time: _____									
Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s: <i>866314</i>		Shipped Via: <i>Fed Ex</i>		Receipt Temp: <i>4.6°C</i>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					

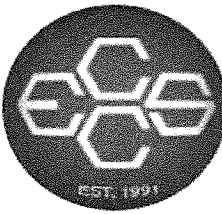
Page 39 of 41 A203526 FINAL 09 11 2020 1340



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: <i>Site investigation</i>				Lab Work Order #: <i>A203526</i>				Mail Report To: Sharon Nordstrom																							
Project Name: Barksdale				Preservation Codes				Company: AECOM																							
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd																							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com																							
If Rush, Report Due Date:				<table border="1" style="width:100%; text-align: center;"> <tr> <th>Matrix</th> <th>Total # of Containers</th> <th>NNOCs</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				Matrix	Total # of Containers	NNOCs																		Invoice To:			
Matrix	Total # of Containers	NNOCs																													
Sampled By (Print): Desmond Nielsen and Eric Schmidt								Company: AECOM																							
<i>Samples placed in freezer after collection</i> Sample Description								Address:																							
		Collection																													
		Date	Time	Matrix	Total # of Containers	NNOCs					Comments	Lab ID	Lab Receipt Time																		
SIGP-200824-PAJ-86 (0-2)		8/24/2020	11:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		13																			
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SIGP-200824-PAJ-85 (2-4)		8/24/2020	14:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		16																			
SIGP-200824-PAJ-84 (0-2)		8/24/2020	16:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		17																			
SIGP-200824-PAJ-84 (2-4)		8/24/2020	16:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		18																			
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																					
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Date: <i>8/26/2020</i> Time: <i>11:00</i>				Received By: <i>[Signature]</i> Date: <i>8/27/20</i> Time: <i>12:15</i>																							
Matrix Codes A=Air S=Soil W=Water O=Other		Relinquished By: _____ Date: _____ Time: _____				Received By: _____ Date: _____ Time: _____																									
Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #: <i>866314</i>		Shipped Via: <i>Fed Ex</i>		Receipt Temp: <i>4.6C</i>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																							



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: <i>Site investigation</i>				Lab Work Order #: <i>A203526</i>				Mail Report To: Sharon Nordstrom																							
Project Name: Barksdale				Preservation Codes				Company: AECOM																							
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd																							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com																							
If Rush, Report Due Date:				<table border="1" style="width:100%; text-align: center;"> <tr> <th>Matrix</th> <th>Total # of Containers</th> <th>NNOCs</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				Matrix	Total # of Containers	NNOCs																		Invoice To:			
Matrix	Total # of Containers	NNOCs																													
Sampled By (Print): Desmond Nielsen and Eric Schmidt								Company: AECOM																							
Samples placed in freezer after collection Sample Description								Address:																							
		Collection																													
		Date	Time																												
SIGP-200825-PAJ-83 (0-2)		8/25/2020	08:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		19																			
SIGP-200825-PAJ-83 (2-4)		8/25/2020	08:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		20																			
SIGP-200825-PAJ-82 (0-2)		8/25/2020	11:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		21																			
SIGP-200825-PAJ-82 (2-4)		8/25/2020	11:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		22																			
SIGP-200825-PAJ-81 (0-2)		8/25/2020	13:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		23																			
SIGP-200825-PAJ-81 (2-4)		8/25/2020	13:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		24																			
SIGP-200825-PAJ-78 (0-2)		8/25/2020	15:15	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		25																			
SIGP-200825-PAJ-78 (2-4)		8/25/2020	15:20	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		26																			
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																					
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>Desmond Nielsen</i> Relinquished By: _____ Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Date: <i>8/26/2020</i> Date: _____ Seal #: <i>866314</i>		Time: <i>11:00</i> Time: _____ Shipped Via: <i>Fed Ex</i>		Received By: <i>Molly J...</i> Received By: _____ Receipt Temp: <i>4.6°C SIN 16019224</i> Temp Blank: <i>12/19/20</i> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																			

Page 41 of 41 A203526 FINAL 09 11 2020 1340



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

September 17, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 09/03/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Palzkill For Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SIGP-200826-PAJ-080-0-2	A203608-01	Soil	08/26/2020	09/03/2020
SIGP-200826-PAJ-080-2-4	A203608-02	Soil	08/26/2020	09/03/2020
SIGP-200827-PAJ-093-0-2	A203608-03	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-093-2-4	A203608-04	Soil	08/27/2020	09/03/2020
SIGP-200831-PAJ-087-0-2	A203608-05	Soil	08/31/2020	09/03/2020
SIGP-200831-PAJ-087-2-4	A203608-06	Soil	08/31/2020	09/03/2020
SIGP-200901-001E-1-2	A203608-07	Soil	09/01/2020	09/03/2020
SIGP-200901-002W-4-4.5	A203608-08	Soil	09/01/2020	09/03/2020
SIGP-200901-003C-2.5-3.0	A203608-09	Soil	09/01/2020	09/03/2020
SIGP-200827-PAJ-079-0-2	A203608-10	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-079-2-4	A203608-11	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-091-0-2	A203608-12	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-091-2-4	A203608-13	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-091-0-2-D	A203608-14	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-091-2-4-D	A203608-15	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-076-0-2	A203608-16	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-076-2-4	A203608-17	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-092-0-2	A203608-18	Soil	08/27/2020	09/03/2020
SIGP-200827-PAJ-092-2-4	A203608-19	Soil	08/27/2020	09/03/2020

CASE NARRATIVE

Sample Receipt Information:

19 samples were received on 09/03/2020. Samples were received in acceptable condition.

Sample descriptions for A203608-01, A203608-02, and A203608-07 were modified per client instruction.

Please see the chain of custody (COC) document at the end of this report for additional information.

Laboratory Control Samples (LCS):

The E1 footnote on samples A203608-01 through A203608-19 indicates that there were quality control sample exceedances for multiple analytes for the explosive compounds by method 8270 analysis. The LCS recoveries were below acceptable limits. Please see the quality control section of the report for more information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200826-PAJ-080-0-2

A203608-01 (Soil)

Date Sampled
08/26/2020 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	E1
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	E1
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 09:29	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 57.8 % 10-150 09/11/2020 09/12/2020 09:29 EPA 8270D

Surrogate: Nitrobenzene-d5 83.0 % 70-114 09/11/2020 09/12/2020 09:29 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.6	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200826-PAJ-080-2-4

A203608-02 (Soil)

Date Sampled
08/26/2020 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	E1
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	E1
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.4 %		10-150	09/11/2020	09/12/2020 08:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.1 %		70-114	09/11/2020	09/12/2020 08:57	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.5	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-093-0-2

A203608-03 (Soil)

Date Sampled
08/27/2020 07:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
2,4,6-Trinitrotoluene	1100	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	E1
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	E1
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 08:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.5 %		10-150	09/11/2020	09/12/2020 08:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.5 %		70-114	09/11/2020	09/12/2020 08:26	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.5	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-093-2-4

A203608-04 (Soil)

Date Sampled
08/27/2020 08:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	E1
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	E1
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 07:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.5 %		10-150	09/11/2020	09/12/2020 07:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.5 %		70-114	09/11/2020	09/12/2020 07:54	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.4	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200831-PAJ-087-0-2

A203608-05 (Soil)

Date Sampled
08/31/2020 14:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 06:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.4 %		10-150	09/11/2020	09/12/2020 06:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.4 %		70-114	09/11/2020	09/12/2020 06:19	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	98.9	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200831-PAJ-087-2-4

A203608-06 (Soil)

Date Sampled
08/31/2020 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.8 %		10-150	09/11/2020	09/12/2020 05:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.3 %		70-114	09/11/2020	09/12/2020 05:48	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	99.4	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200901-001E-1-2

Date Sampled
09/01/2020 11:10

A203608-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 05:16	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.7 %		10-150	09/11/2020	09/12/2020 05:16	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.8 %		70-114	09/11/2020	09/12/2020 05:16	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.1	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200901-002W-4-4.5

A203608-08 (Soil)

Date Sampled
09/01/2020 13:18

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 04:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.1 %		10-150	09/11/2020	09/12/2020 04:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.3 %		70-114	09/11/2020	09/12/2020 04:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	98.2	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200901-003C-2.5-3.0

A203608-09 (Soil)

Date Sampled
09/01/2020 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	E1
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	E1
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/11/2020	09/12/2020 04:13	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.0 %		10-150	09/11/2020	09/12/2020 04:13	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.6 %		70-114	09/11/2020	09/12/2020 04:13	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.2	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-079-0-2

A203608-10 (Soil)

Date Sampled
08/27/2020 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.5 %		10-150	09/11/2020	09/12/2020 03:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.3 %		70-114	09/11/2020	09/12/2020 03:41	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.9	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-079-2-4

A203608-11 (Soil)

Date Sampled
08/27/2020 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 03:10	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		45.0 %		10-150	09/11/2020	09/12/2020 03:10	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.9 %		70-114	09/11/2020	09/12/2020 03:10	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009144

% Solids	97.6	0.00	% by Weight	1	09/16/2020	09/17/2020 08:04	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-091-0-2

A203608-12 (Soil)

Date Sampled
08/27/2020 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 02:38	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		47.2 %		10-150	09/11/2020	09/12/2020 02:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.0 %		70-114	09/11/2020	09/12/2020 02:38	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	98.0	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-091-2-4

A203608-13 (Soil)

Date Sampled
08/27/2020 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:32	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.8 %		10-150	09/11/2020	09/12/2020 00:32	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.3 %		70-114	09/11/2020	09/12/2020 00:32	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	98.0	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-091-0-2-D

A203608-14 (Soil)

Date Sampled
08/27/2020 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/12/2020 00:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		40.1 %		10-150	09/11/2020	09/12/2020 00:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		79.4 %		70-114	09/11/2020	09/12/2020 00:00	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	97.8	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-091-2-4-D

A203608-15 (Soil)

Date Sampled
08/27/2020 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	E1
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	E1
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 23:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		37.4 %		10-150	09/11/2020	09/11/2020 23:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		80.8 %		70-114	09/11/2020	09/11/2020 23:29	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	97.4	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-076-0-2

A203608-16 (Soil)

Date Sampled
08/27/2020 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	E1
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	E1
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	E1
3-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/11/2020	09/11/2020 22:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		40.4 %		10-150	09/11/2020	09/11/2020 22:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.8 %		70-114	09/11/2020	09/11/2020 22:57	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	98.3	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-076-2-4

A203608-17 (Soil)

Date Sampled
08/27/2020 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 22:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		42.1 %		10-150	09/11/2020	09/11/2020 22:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.5 %		70-114	09/11/2020	09/11/2020 22:26	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	98.8	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-092-0-2

A203608-18 (Soil)

Date Sampled
08/27/2020 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		42.1 %		10-150	09/11/2020	09/11/2020 21:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.1 %		70-114	09/11/2020	09/11/2020 21:54	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	98.1	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SIGP-200827-PAJ-092-2-4

A203608-19 (Soil)

Date Sampled
08/27/2020 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009132

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	E1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	E1
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	E1
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	E1
3-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/11/2020	09/11/2020 21:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		37.6 %		10-150	09/11/2020	09/11/2020 21:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.7 %		70-114	09/11/2020	09/11/2020 21:22	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009145

% Solids	98.0	0.00	% by Weight	1	09/16/2020	09/17/2020 08:44	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009132 - EPA 3570

Blank (A009132-BLK1)

Prepared: 09/11/2020 Analyzed: 09/11/2020 19:16

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	769		ug/kg wet	1943		39.6	10-150			
<i>Surrogate: Nitrobenzene-d5</i>	1670		ug/kg wet	2000		83.3	70-114			

LCS (A009132-BS1)

Prepared: 09/11/2020 Analyzed: 09/11/2020 19:48

1,2-Dimethyl-3,4-Dinitrobenzene	1640	200	ug/kg wet	1996		82.3	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1530	200	ug/kg wet	2020		75.7	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1720	200	ug/kg wet	1999		86.1	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1580	200	ug/kg wet	2026		78.2	72.5-113			
1,3,5-Trinitrobenzene	1210	200	ug/kg wet	2000		60.6	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1600	200	ug/kg wet	2020		79.4	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1690	200	ug/kg wet	2002		84.2	81.2-108			
1,3-Dinitrobenzene	1150	200	ug/kg wet	2000		57.7	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg wet	2006		84.6	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1620	200	ug/kg wet	2026		79.8	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1630	200	ug/kg wet	1996		81.8	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1610	200	ug/kg wet	2012		80.1	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1510	200	ug/kg wet	1966		77.0	75.5-106			
2,3-Dinitrotoluene	1560	200	ug/kg wet	2000		77.8	72.1-113			
2,4,6-Trinitrotoluene	1370	200	ug/kg wet	2000		68.6	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
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Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009132 - EPA 3570

LCS (A009132-BS1)

Prepared: 09/11/2020 Analyzed: 09/11/2020 19:48

2,4-Dinitrotoluene	1540	200	ug/kg wet	2000		77.1	68.7-120			
2,5-Dinitrotoluene	1340	200	ug/kg wet	2000		67.2	70.5-109			
2,6-Dinitrotoluene	1580	200	ug/kg wet	2000		78.8	78.1-111			
2-Amino-4,6-dinitrotoluene	1380	200	ug/kg wet	2000		69.0	65.3-107			
2-Nitrotoluene	1690	200	ug/kg wet	2000		84.6	76.5-115			
3,4-Dinitrotoluene	1640	100	ug/kg wet	2000		82.1	72.6-111			D
3,5-Dinitroaniline	1200	200	ug/kg wet	2000		59.8	63.8-110			
3,5-Dinitrotoluene	1480	200	ug/kg wet	2000		73.8	80.5-109			
3-Nitrotoluene	1620	200	ug/kg wet	2000		81.0	80-110			
4-Amino-2,6-dinitrotoluene	1290	200	ug/kg wet	2000		64.6	55.1-112			
4-Nitrotoluene	1620	200	ug/kg wet	2000		81.2	80.6-109			
Nitrobenzene	1730	200	ug/kg wet	2000		86.3	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1500</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>77.4</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1630</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>81.3</i>	<i>70-114</i>			

Matrix Spike (A009132-MS1)

Source: A203608-19

Prepared: 09/11/2020 Analyzed: 09/11/2020 20:19

1,2-Dimethyl-3,4-Dinitrobenzene	1620	200	ug/kg dry	2021	ND	80.4	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1590	200	ug/kg dry	2045	ND	77.5	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1790	200	ug/kg dry	2024	ND	88.3	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1540	200	ug/kg dry	2051	ND	75.1	64-114			
1,3,5-Trinitrobenzene	1230	200	ug/kg dry	2025	ND	60.9	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg dry	2045	ND	82.0	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1730	200	ug/kg dry	2027	ND	85.3	75.4-111			
1,3-Dinitrobenzene	1280	200	ug/kg dry	2025	ND	63.1	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1710	200	ug/kg dry	2031	ND	84.3	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1700	200	ug/kg dry	2051	ND	82.6	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1700	200	ug/kg dry	2021	ND	84.3	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1620	200	ug/kg dry	2037	ND	79.8	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1610	200	ug/kg dry	1990	ND	81.1	64.6-113			
2,3-Dinitrotoluene	1620	200	ug/kg dry	2025	ND	79.9	61.7-112			
2,4,6-Trinitrotoluene	1440	200	ug/kg dry	2025	ND	71.2	27.1-169			
2,4-Dinitrotoluene	1580	200	ug/kg dry	2025	ND	78.2	57-126			
2,5-Dinitrotoluene	1460	200	ug/kg dry	2025	ND	72.2	64.6-108			
2,6-Dinitrotoluene	1640	200	ug/kg dry	2025	ND	81.2	66.2-116			
2-Amino-4,6-dinitrotoluene	1330	200	ug/kg dry	2025	ND	65.7	26.4-130			
2-Nitrotoluene	1770	200	ug/kg dry	2025	ND	87.3	73.2-116			
3,4-Dinitrotoluene	1680	100	ug/kg dry	2025	ND	82.9	59.8-115			D
3,5-Dinitroaniline	1140	200	ug/kg dry	2025	ND	56.5	31.2-124			
3,5-Dinitrotoluene	1610	200	ug/kg dry	2025	ND	79.3	69.5-111			
3-Nitrotoluene	1750	200	ug/kg dry	2025	ND	86.3	75.4-115			
4-Amino-2,6-dinitrotoluene	1280	200	ug/kg dry	2025	ND	63.3	20.6-139			
4-Nitrotoluene	1730	200	ug/kg dry	2025	ND	85.4	76.9-112			
Nitrobenzene	1790	200	ug/kg dry	2025	ND	88.3	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1520</i>		<i>ug/kg dry</i>	<i>1967</i>		<i>77.2</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1730</i>		<i>ug/kg dry</i>	<i>2025</i>		<i>85.4</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009132 - EPA 3570

Matrix Spike Dup (A009132-MSD1)

Source: A203608-19

Prepared: 09/11/2020 Analyzed: 09/11/2020 20:51

1,2-Dimethyl-3,4-Dinitrobenzene	1630	200	ug/kg dry	2009	ND	81.1	67.1-109	0.253	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1580	200	ug/kg dry	2033	ND	77.9	68.4-108	0.0535	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1740	200	ug/kg dry	2012	ND	86.6	72.5-113	2.48	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1540	200	ug/kg dry	2039	ND	75.7	64-114	0.285	20	
1,3,5-Trinitrobenzene	1210	200	ug/kg dry	2013	ND	59.9	10.7-145	2.16	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1660	200	ug/kg dry	2033	ND	81.7	70.3-111	1.07	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1720	200	ug/kg dry	2015	ND	85.4	75.4-111	0.534	20	
1,3-Dinitrobenzene	1250	200	ug/kg dry	2013	ND	62.3	45.5-120	1.80	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg dry	2019	ND	84.1	65.1-109	0.937	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1650	200	ug/kg dry	2039	ND	81.0	68.4-110	2.57	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1670	200	ug/kg dry	2009	ND	83.0	69.5-110	2.19	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1610	200	ug/kg dry	2025	ND	79.5	67-109	0.950	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1580	200	ug/kg dry	1979	ND	79.6	64.6-113	2.45	20	
2,3-Dinitrotoluene	1560	200	ug/kg dry	2013	ND	77.6	61.7-112	3.42	20	
2,4,6-Trinitrotoluene	1420	200	ug/kg dry	2013	ND	70.5	27.1-169	1.57	20	
2,4-Dinitrotoluene	1570	200	ug/kg dry	2013	ND	78.0	57-126	0.905	20	
2,5-Dinitrotoluene	1430	200	ug/kg dry	2013	ND	71.0	64.6-108	2.26	20	
2,6-Dinitrotoluene	1600	200	ug/kg dry	2013	ND	79.3	66.2-116	2.97	20	
2-Amino-4,6-dinitrotoluene	1270	200	ug/kg dry	2013	ND	63.3	26.4-130	4.28	20	
2-Nitrotoluene	1730	200	ug/kg dry	2013	ND	85.8	73.2-116	2.27	20	
3,4-Dinitrotoluene	1630	100	ug/kg dry	2013	ND	81.1	59.8-115	2.79	20	D
3,5-Dinitroaniline	1110	200	ug/kg dry	2013	ND	55.1	31.2-124	3.00	20	
3,5-Dinitrotoluene	1550	200	ug/kg dry	2013	ND	77.2	69.5-111	3.23	20	
3-Nitrotoluene	1710	200	ug/kg dry	2013	ND	84.9	75.4-115	2.24	20	
4-Amino-2,6-dinitrotoluene	1250	200	ug/kg dry	2013	ND	62.3	20.6-139	2.25	20	
4-Nitrotoluene	1700	200	ug/kg dry	2013	ND	84.5	76.9-112	1.67	20	
Nitrobenzene	1760	200	ug/kg dry	2013	ND	87.6	74-115	1.44	20	
Surrogate: 2,2'-Dinitrobiphenyl	1450		ug/kg dry	1956		74.0	10-150			
Surrogate: Nitrobenzene-d5	1720		ug/kg dry	2013		85.4	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009144 - % Solids

Duplicate (A009144-DUP1)	Source: A203604-01	Prepared: 09/16/2020	Analyzed: 09/17/2020 08:04		
% Solids	84.6	0.00 % by Weight	83.8	0.859	20

Batch A009145 - % Solids

Duplicate (A009145-DUP1)	Source: A203608-12	Prepared: 09/16/2020	Analyzed: 09/17/2020 08:44		
% Solids	98.0	0.00 % by Weight	98.0	0.0238	20

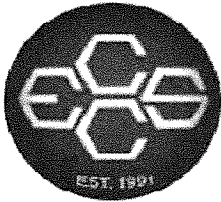
AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- E1 Estimated value because of quality control sample exceedances.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

FEDER 7714 1741 4451

Lab Work Order #: A203L08	Mail Report To: Sharon Nordstrom
	Company: AECOM

Project Number: SITE INVESTIGATION	Preservation Codes	Address: 4051 Ogletown Rd
Project Name: Barksdale	Analyses Requested	Newark, DE 19713
Project Location: Barksdale, WI	A	E-mail Address: sharon.nordstrom@aecom.com

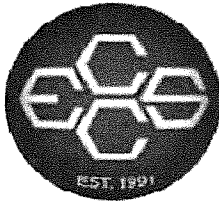
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs	<table border="1"> <tr><td>Matrix</td></tr> <tr><td>Total # of Containers</td></tr> <tr><td>NNOCs</td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> <tr><td></td></tr> </table>	Matrix	Total # of Containers	NNOCs								Invoice To:
Matrix												
Total # of Containers												
NNOCs												
If Rush, Report Due Date:	Company: AECOM											
Sampled By (Print): Desmond Nielsen & Eric Schmidt	Address:											

- SAMPLES PLACED IN FREEZER IMMEDIATELY AFTER COLLECTION

Sample Description	Collection		Matrix	Total # of Containers	NNOCs						Comments	Lab ID	Lab Receipt Time
	Date	Time											
SIGP-200826-PAJ080(0-2)	8/26/2020	13:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		01	
SIGP-200826-PAJ080(2-4)	8/26/2020	13:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		02-01	
SIGP-200827-PAJ-093(0-2)	8/27/2020	07:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		03-02	
SIGP-200827-PAJ-093(2-4)	8/27/2020	08:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		04-03	
SIGP-200831-PAJ-087(0-2)	8/31/2020	14:25	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		05-04	
SIGP-200831-PAJ-087(2-4)	8/31/2020	14:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		06-05	
SITG-20019-001E(1-2)	9/1/2020	11:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	sample labeled SITG-200901-001E(1-2) MP 9/3/20	08-07	
SITG-200901-002W(4-4.5)	9/1/2020	13:18	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		09-08	
SITG-200901-003C(2.5-3.0)	9/1/2020	14:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		10-09	

Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other	Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*	Relinquished By: <i>[Signature]</i>	Date: 9/2/2020	Time: 11:00	Received By: <i>[Signature]</i>	Date: 9/3/20	Time: 12:50
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s: 970295		Shipped Via: FedEx	Receipt Temp: 3.8°C	Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

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Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

FedEx 7714 1741 4451

Lab Work Order #: A203608	Mail Report To: Sharon Nordstrom
	Company: AECOM

Project Number: **SITE INVESTIGATOIN**

Project Name: **Barksdale**

Project Location: **Barksdale, WI**

Preservation Codes

Analyses Requested: **A**

Address: **4051 Ogletown Rd
Newark, DE 19713**

E-mail Address: **sharon.nordstrom@aecom.com**

Turn Around (check one): Normal 5 BDs 3 BDs 2 BDs 24 hrs

If Rush, Report Due Date:

Sampled By (Print): **Desmond Nielsen & Eric Schmidt**

SAMPLES PLACED IN FREEZER IMMEDIATELY AFTER COLLECTION

Sample Description	Collection		Matrix	Total # of Containers	NNOCS						Comments	Lab ID	Lab Receipt Time
	Date	Time											
SIGP-200827-PAJ-079(0-2)	8/27/2020	09:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		10	
SIGP-200827-PAJ-079(2-4)	8/27/2020	09:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		11	
SIGP-200827-PAJ-091(0-2)	8/27/2020	10:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		12	
SIGP-200827-PAJ-091(2-4)	8/27/2020	11:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		13	
SIGP-200827-PAJ-091(0-2)-D	8/27/2020	10:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DUPLICATE	14	
SIGP-200827-PAJ-091(2-4)-D	8/27/2020	11:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DUPLICATE	15	
SIGP-200827-PAJ-076(0-2)	8/27/2020	13:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		16	
SIGP-200827-PAJ-076(2-4)	8/27/2020	13:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		17	
SIGP-200827-PAJ-092(0-2)	8/27/2020	13:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		18	
SIGP-200827-PAJ-092(2-4)	8/27/2020	14:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		19	

Preservation Codes
 A=None B=HCL C=H₂SO₄
 D=HNO₃ E=EnCore F=Methanol
 G=NaOH O=Other (Indicate)

Matrix Codes
 A=Air S=Soil W=Water O=Other

Rush TAT Multipliers
 5 Business Days = 1.5x
 3 Business Days = 2x
 2 Business Days = 2.25x
 24 Hours = 2.5x
 must be pre-arranged

Relinquished By: *[Signature]*
 Date: 9/2/2020 Time: 11:00

Received By: *[Signature]*
 Date: 9/3/20 Time: 12:50

Relinquished By:

Received By:

Custody Seal: Present Absent Intact Not Intact

Seal #: 470295

Shipped Via: FedEx

Receipt Temp: 3.8°C Temp Blank: Y N

SINILG0142274
Exp 12/19/20

Page 28 of 28 A203608 FINAL 09 17 2020 1158



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

September 11, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 09/05/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-200903-004Z-0-1.7	A203615-01	Soil	09/03/2020	09/05/2020
SITG-200903-005Z-1.7-5	A203615-02	Soil	09/03/2020	09/05/2020
SITG-200903-004E-0-3	A203615-03	Soil	09/03/2020	09/05/2020
SITG-200903-004C-3-3.5	A203615-04	Soil	09/03/2020	09/05/2020
SITG-200903-005C-5-5.5	A203615-05	Soil	09/03/2020	09/05/2020

CASE NARRATIVE

Sample Receipt Information:

Five samples were received on 09/05/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200903-004Z-0-1.7

A203615-01 (Soil)

Date Sampled
09/03/2020 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
2,4,6-Trinitrotoluene	25000	840	ug/kg dry	4	09/09/2020	09/10/2020 16:24	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1400	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2400	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 02:14	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 87.1 % 10-150 09/09/2020 09/10/2020 02:14 EPA 8270D

Surrogate: Nitrobenzene-d5 91.9 % 70-114 09/09/2020 09/10/2020 02:14 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	95.8	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200903-005Z-1.7-5

Date Sampled
09/03/2020 15:05

A203615-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 02:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.5 %		10-150	09/09/2020	09/10/2020 02:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.1 %		70-114	09/09/2020	09/10/2020 02:45	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	99.0	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200903-004E-0-3

Date Sampled

A203615-03 (Soil)

09/03/2020 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.4 %		10-150	09/09/2020	09/10/2020 03:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.7 %		70-114	09/09/2020	09/10/2020 03:17	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	96.4	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200903-004C-3-3.5

Date Sampled
09/03/2020 15:20

A203615-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/09/2020	09/10/2020 03:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.7 %		10-150	09/09/2020	09/10/2020 03:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.9 %		70-114	09/09/2020	09/10/2020 03:48	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	98.0	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200903-005C-5-5.5

Date Sampled
09/03/2020 15:25

A203615-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009121

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/09/2020	09/10/2020 04:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.6 %		10-150	09/09/2020	09/10/2020 04:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.5 %		70-114	09/09/2020	09/10/2020 04:19	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009126

% Solids	99.6	0.00	% by Weight	1	09/10/2020	09/11/2020 09:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009121 - EPA 3570

Blank (A009121-BLK1)

Prepared: 09/09/2020 Analyzed: 09/09/2020 19:27

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	932		ug/kg wet	1943		48.0	10-150			
<i>Surrogate: Nitrobenzene-d5</i>	1780		ug/kg wet	2000		88.8	70-114			

LCS (A009121-BS1)

Prepared: 09/09/2020 Analyzed: 09/09/2020 19:58

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	1996		91.8	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1890	200	ug/kg wet	2020		93.8	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999		94.6	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1820	200	ug/kg wet	2026		89.8	72.5-113			
1,3,5-Trinitrobenzene	1730	200	ug/kg wet	2000		86.3	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1740	200	ug/kg wet	2020		86.3	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1780	200	ug/kg wet	2002		89.0	81.2-108			
1,3-Dinitrobenzene	1660	200	ug/kg wet	2000		82.8	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006		89.6	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg wet	2026		88.7	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1820	200	ug/kg wet	1996		91.1	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1950	200	ug/kg wet	2012		96.7	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg wet	1966		89.3	75.5-106			
2,3-Dinitrotoluene	1820	200	ug/kg wet	2000		91.1	72.1-113			
2,4,6-Trinitrotoluene	1960	200	ug/kg wet	2000		98.2	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009121 - EPA 3570

LCS (A009121-BS1)

Prepared: 09/09/2020 Analyzed: 09/09/2020 19:58

2,4-Dinitrotoluene	1830	200	ug/kg wet	2000		91.5	68.7-120			
2,5-Dinitrotoluene	1700	200	ug/kg wet	2000		84.9	70.5-109			
2,6-Dinitrotoluene	1810	200	ug/kg wet	2000		90.6	78.1-111			
2-Amino-4,6-dinitrotoluene	1810	200	ug/kg wet	2000		90.7	65.3-107			
2-Nitrotoluene	1710	200	ug/kg wet	2000		85.3	76.5-115			
3,4-Dinitrotoluene	1840	100	ug/kg wet	2000		91.8	72.6-111			D
3,5-Dinitroaniline	1830	200	ug/kg wet	2000		91.6	63.8-110			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		88.2	80.5-109			
3-Nitrotoluene	1770	200	ug/kg wet	2000		88.6	80-110			
4-Amino-2,6-dinitrotoluene	1760	200	ug/kg wet	2000		87.8	55.1-112			
4-Nitrotoluene	1780	200	ug/kg wet	2000		88.8	80.6-109			
Nitrobenzene	1780	200	ug/kg wet	2000		89.0	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1660</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>85.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1720</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>85.8</i>	<i>70-114</i>			

Matrix Spike (A009121-MS1)

Source: A203615-05

Prepared: 09/09/2020 Analyzed: 09/09/2020 20:30

1,2-Dimethyl-3,4-Dinitrobenzene	1890	200	ug/kg dry	2012	ND	94.1	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1940	200	ug/kg dry	2036	ND	95.2	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1870	200	ug/kg dry	2015	ND	93.0	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg dry	2042	ND	87.4	64-114			
1,3,5-Trinitrobenzene	1750	200	ug/kg dry	2016	ND	86.7	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2036	ND	87.8	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg dry	2018	ND	90.6	75.4-111			
1,3-Dinitrobenzene	1720	200	ug/kg dry	2016	ND	85.2	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2022	ND	91.7	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg dry	2042	ND	90.8	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2012	ND	91.0	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg dry	2028	ND	94.9	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg dry	1981	ND	89.9	64.6-113			
2,3-Dinitrotoluene	1850	200	ug/kg dry	2016	ND	92.0	61.7-112			
2,4,6-Trinitrotoluene	1990	200	ug/kg dry	2016	ND	98.7	27.1-169			
2,4-Dinitrotoluene	1850	200	ug/kg dry	2016	ND	91.7	57-126			
2,5-Dinitrotoluene	1760	200	ug/kg dry	2016	ND	87.3	64.6-108			
2,6-Dinitrotoluene	1840	200	ug/kg dry	2016	ND	91.3	66.2-116			
2-Amino-4,6-dinitrotoluene	1780	200	ug/kg dry	2016	ND	88.5	26.4-130			
2-Nitrotoluene	1730	200	ug/kg dry	2016	ND	85.9	73.2-116			
3,4-Dinitrotoluene	1840	100	ug/kg dry	2016	ND	91.3	59.8-115			D
3,5-Dinitroaniline	1810	200	ug/kg dry	2016	ND	90.0	31.2-124			
3,5-Dinitrotoluene	1800	200	ug/kg dry	2016	ND	89.3	69.5-111			
3-Nitrotoluene	1830	200	ug/kg dry	2016	ND	90.9	75.4-115			
4-Amino-2,6-dinitrotoluene	1760	200	ug/kg dry	2016	ND	87.1	20.6-139			
4-Nitrotoluene	1830	200	ug/kg dry	2016	ND	90.6	76.9-112			
Nitrobenzene	1830	200	ug/kg dry	2016	ND	90.9	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1660</i>		<i>ug/kg dry</i>	<i>1958</i>		<i>84.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1800</i>		<i>ug/kg dry</i>	<i>2016</i>		<i>89.4</i>	<i>70-114</i>			

AECOM
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Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009121 - EPA 3570

Matrix Spike Dup (A009121-MSD1)

Source: A203615-05

Prepared: 09/09/2020 Analyzed: 09/09/2020 21:01

1,2-Dimethyl-3,4-Dinitrobenzene	1900	200	ug/kg dry	2012	ND	94.3	67.1-109	0.214	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1900	200	ug/kg dry	2036	ND	93.4	68.4-108	1.81	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg dry	2015	ND	93.7	72.5-113	0.693	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1810	200	ug/kg dry	2042	ND	88.7	64-114	1.53	20	
1,3,5-Trinitrobenzene	1770	200	ug/kg dry	2016	ND	88.0	10.7-145	1.48	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg dry	2036	ND	88.4	70.3-111	0.709	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2018	ND	90.0	75.4-111	0.652	20	
1,3-Dinitrobenzene	1750	200	ug/kg dry	2016	ND	86.7	45.5-120	1.67	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg dry	2022	ND	90.6	65.1-109	1.16	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg dry	2042	ND	89.7	68.4-110	1.16	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2012	ND	91.0	69.5-110	0.0143	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1930	200	ug/kg dry	2028	ND	95.4	67-109	0.590	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg dry	1981	ND	89.6	64.6-113	0.397	20	
2,3-Dinitrotoluene	1870	200	ug/kg dry	2016	ND	92.7	61.7-112	0.774	20	
2,4,6-Trinitrotoluene	2010	200	ug/kg dry	2016	ND	99.6	27.1-169	0.849	20	
2,4-Dinitrotoluene	1880	200	ug/kg dry	2016	ND	93.4	57-126	1.85	20	
2,5-Dinitrotoluene	1750	200	ug/kg dry	2016	ND	87.1	64.6-108	0.276	20	
2,6-Dinitrotoluene	1870	200	ug/kg dry	2016	ND	92.8	66.2-116	1.55	20	
2-Amino-4,6-dinitrotoluene	1800	200	ug/kg dry	2016	ND	89.4	26.4-130	0.964	20	
2-Nitrotoluene	1750	200	ug/kg dry	2016	ND	86.8	73.2-116	0.930	20	
3,4-Dinitrotoluene	1860	100	ug/kg dry	2016	ND	92.4	59.8-115	1.23	20	D
3,5-Dinitroaniline	1870	200	ug/kg dry	2016	ND	92.6	31.2-124	2.82	20	
3,5-Dinitrotoluene	1810	200	ug/kg dry	2016	ND	89.6	69.5-111	0.363	20	
3-Nitrotoluene	1840	200	ug/kg dry	2016	ND	91.1	75.4-115	0.205	20	
4-Amino-2,6-dinitrotoluene	1780	200	ug/kg dry	2016	ND	88.2	20.6-139	1.24	20	
4-Nitrotoluene	1820	200	ug/kg dry	2016	ND	90.1	76.9-112	0.559	20	
Nitrobenzene	1840	200	ug/kg dry	2016	ND	91.2	74-115	0.390	20	
Surrogate: 2,2'-Dinitrobiphenyl	1660		ug/kg dry	1958		84.6	10-150			
Surrogate: Nitrobenzene-d5	1800		ug/kg dry	2016		89.2	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009126 - % Solids

Duplicate (A009126-DUP1)

Source: A203615-05

Prepared: 09/10/2020 Analyzed: 09/11/2020 09:03

% Solids	99.6	0.00	% by Weight		99.6			0.0414	20	
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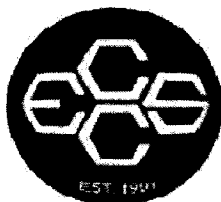
AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

FedEx 7714 3675 7789

Lab Work Order #: A203615					Mail Report To: Sharon Nordstrom									
Preservation Codes					Company: AECOM									
Analyses Requested					Address: 4051 Ogletown Rd									
A					Newark, DE 19713									
E-mail Address: sharon.nordstrom@aecom.com					Invoice To:									
Company: AECOM					Address:									
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs If Rush, Report Due Date: Sampled By (Print): Eric Schmidt					Matrix		Total # of Containers		NNOCS		Comments		Lab ID	Lab Receipt Time
Sample Description	Collection		Matrix	Total # of Containers	NNOCS									
	Date	Time												
SITG-200903-004Z (0-1.7)	9/3/2020	15:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		-01	11:15	
SITG-200903-005Z (1.7-5)	9/3/2020	15:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		-02	11:15	
SITG-200903-004E (0-3)	9/3/2020	15:15	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		-03	11:15	
SITG-200903-004C (3-3.5)	9/3/2020	15:20	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		-04	11:15	
SITG-200903-005C (5-5.5)	9/3/2020	15:25	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		-05	11:15	
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <u>Eric Schmidt</u> Date: 9/4/20		Date: 10:00		Received By: <u>[Signature]</u> Date: 9/5/2020		Time: 11:15 AM				
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:		Received By:		Date:		Time:		
				Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s:		Shipped Via: FEDEX		Receipt Temp: 1.9°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		

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WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER

Rev. 5/11

sl: 160142274 exp: 12/2020



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

October 01, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 09/18/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Palzkill For Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-200914-006C-5-5.5	A203819-01	Soil	09/14/2020	09/18/2020
SITG-200914-007C-4-5	A203819-02	Soil	09/14/2020	09/18/2020
SITG-200914-007W-0-4	A203819-03	Soil	09/14/2020	09/18/2020
SITG-200915-008C-4-4.5	A203819-04	Soil	09/15/2020	09/18/2020
SITG-200915-008E-0-4	A203819-05	Soil	09/15/2020	09/18/2020
SITG-200915-009C-3.5-4	A203819-06	Soil	09/15/2020	09/18/2020
SITG-200915-009E-0-4	A203819-07	Soil	09/15/2020	09/18/2020
SITG-200915-010C-3.5-4	A203819-08	Soil	09/15/2020	09/18/2020
SITG-200915-010C-3.5-4-D	A203819-09	Soil	09/15/2020	09/18/2020
SITG-200915-010E-0-3.5	A203819-10	Soil	09/15/2020	09/18/2020
SITG-200915-010S-0-3.5	A203819-11	Soil	09/15/2020	09/18/2020
SITG-200915-006Z-0.5-2.5	A203819-12	Soil	09/15/2020	09/18/2020
SITG-200915-008Z-0-5	A203819-13	Soil	09/15/2020	09/18/2020
SITG-200915-007Z-2.5-4.5	A203819-14	Soil	09/15/2020	09/18/2020
SITG-200916-011C-3.5-4	A203819-15	Soil	09/16/2020	09/18/2020
SITG-200916-011Z-0-1.5	A203819-16	Soil	09/16/2020	09/18/2020
SITG-200916-012C-2.5-3.5	A203819-17	Soil	09/16/2020	09/18/2020
SITG-200916-012W-0-2.5	A203819-18	Soil	09/16/2020	09/18/2020

CASE NARRATIVE

Sample Receipt Information:

18 samples were received on 09/18/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200914-006C-5-5.5

A203819-01 (Soil)

Date Sampled
09/14/2020 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:14	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 48.5 % 10-150 09/23/2020 09/24/2020 14:14 EPA 8270D

Surrogate: Nitrobenzene-d5 84.3 % 70-114 09/23/2020 09/24/2020 14:14 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	99.5	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200914-007C-4-5

Date Sampled

A203819-02 (Soil)

09/14/2020 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,3,5-Trinitrobenzene	250	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 14:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.4 %		10-150	09/23/2020	09/24/2020 14:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.6 %		70-114	09/23/2020	09/24/2020 14:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	99.4	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200914-007W-0-4

Date Sampled
09/14/2020 16:45

A203819-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 15:18	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		36.8 %		10-150	09/23/2020	09/24/2020 15:18	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.0 %		70-114	09/23/2020	09/24/2020 15:18	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	96.4	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-008C-4-4.5

Date Sampled
09/15/2020 16:30

A203819-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 15:49	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		30.7 %		10-150	09/23/2020	09/24/2020 15:49	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.7 %		70-114	09/23/2020	09/24/2020 15:49	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	98.6	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-008E-0-4

Date Sampled

A203819-05 (Soil)

09/15/2020 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
2,4,6-Trinitrotoluene	300	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 16:21	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.5 %		10-150	09/23/2020	09/24/2020 16:21	EPA 8270D	
Surrogate: Nitrobenzene-d5		79.4 %		70-114	09/23/2020	09/24/2020 16:21	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	97.0	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-009C-3.5-4

Date Sampled
09/15/2020 16:40

A203819-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 18:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.2 %		10-150	09/23/2020	09/24/2020 18:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.5 %		70-114	09/23/2020	09/24/2020 18:28	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	96.3	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-009E-0-4

Date Sampled
09/15/2020 16:45

A203819-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 18:59	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		45.6 %		10-150	09/23/2020	09/24/2020 18:59	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.8 %		70-114	09/23/2020	09/24/2020 18:59	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	97.6	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-010C-3.5-4

Date Sampled
09/15/2020 16:50

A203819-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 19:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		37.9 %		10-150	09/23/2020	09/24/2020 19:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.4 %		70-114	09/23/2020	09/24/2020 19:31	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	96.6	0.00	% by Weight	1	09/23/2020	09/24/2020 06:51	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-010C-3.5-4-D

A203819-09 (Soil)

Date Sampled
09/15/2020 16:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.9 %		10-150	09/23/2020	09/24/2020 20:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.3 %		70-114	09/23/2020	09/24/2020 20:03	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	97.0	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-010E-0-3.5

Date Sampled

A203819-10 (Soil)

09/15/2020 16:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 20:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.3 %		10-150	09/23/2020	09/24/2020 20:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		80.9 %		70-114	09/23/2020	09/24/2020 20:34	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	97.4	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-010S-0-3.5

Date Sampled

A203819-11 (Soil)

09/15/2020 17:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 21:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		40.9 %		10-150	09/23/2020	09/24/2020 21:06	EPA 8270D	
Surrogate: Nitrobenzene-d5		79.9 %		70-114	09/23/2020	09/24/2020 21:06	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	96.2	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-006Z-0.5-2.5

A203819-12 (Soil)

Date Sampled
09/15/2020 17:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
2,4,6-Trinitrotoluene	160000	4100	ug/kg dry	20	09/23/2020	09/25/2020 16:09	EPA 8270D	D
2,4-Dinitrotoluene	230	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2200	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1100	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 21:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		89.8 %	10-150		09/23/2020	09/24/2020 21:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		80.7 %	70-114		09/23/2020	09/24/2020 21:37	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	97.8	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-008Z-0-5

Date Sampled
09/15/2020 17:10

A203819-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
2,4,6-Trinitrotoluene	970	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	210	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 22:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.9 %		10-150	09/23/2020	09/24/2020 22:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		70-114	09/23/2020	09/24/2020 22:09	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	97.4	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200915-007Z-2.5-4.5

A203819-14 (Soil)

Date Sampled
09/15/2020 17:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
2,4,6-Trinitrotoluene	260	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 22:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.7 %		10-150	09/23/2020	09/24/2020 22:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.4 %		70-114	09/23/2020	09/24/2020 22:41	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	99.2	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200916-011C-3.5-4

Date Sampled

A203819-15 (Soil)

09/16/2020 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.9 %		10-150	09/23/2020	09/24/2020 23:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.5 %		70-114	09/23/2020	09/24/2020 23:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	98.0	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200916-011Z-0-1.5

Date Sampled
09/16/2020 16:25

A203819-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
2,4,6-Trinitrotoluene	1400	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	260	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	280	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2020	09/24/2020 23:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.2 %		10-150	09/23/2020	09/24/2020 23:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.2 %		70-114	09/23/2020	09/24/2020 23:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	97.0	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200916-012C-2.5-3.5

A203819-17 (Soil)

Date Sampled
09/16/2020 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/25/2020 00:15	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.9 %		10-150	09/23/2020	09/25/2020 00:15	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.6 %		70-114	09/23/2020	09/25/2020 00:15	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	96.9	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200916-012W-0-2.5

Date Sampled

A203819-18 (Soil)

09/16/2020 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A009176

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	X
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	X
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2020	09/24/2020 13:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		40.1 %		10-150	09/23/2020	09/24/2020 13:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.3 %		70-114	09/23/2020	09/24/2020 13:43	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A009178

% Solids	96.8	0.00	% by Weight	1	09/23/2020	09/24/2020 06:48	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009176 - EPA 3570

Blank (A009176-BLK1)

Prepared: 09/23/2020 Analyzed: 09/24/2020 12:08

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	1050		ug/kg wet	1943		53.8	10-150			
<i>Surrogate: Nitrobenzene-d5</i>	1760		ug/kg wet	2000		87.8	70-114			

LCS (A009176-BS1)

Prepared: 09/23/2020 Analyzed: 09/24/2020 11:36

1,2-Dimethyl-3,4-Dinitrobenzene	1730	200	ug/kg wet	1996		86.5	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1670	200	ug/kg wet	2020		82.8	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1830	200	ug/kg wet	1999		91.5	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1730	200	ug/kg wet	2026		85.3	72.5-113			
1,3,5-Trinitrobenzene	1440	200	ug/kg wet	2000		72.0	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1670	200	ug/kg wet	2020		82.9	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1790	200	ug/kg wet	2002		89.6	81.2-108			
1,3-Dinitrobenzene	1420	200	ug/kg wet	2000		71.2	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg wet	2006		88.9	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1730	200	ug/kg wet	2026		85.5	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1720	200	ug/kg wet	1996		86.2	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg wet	2012		84.3	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1640	200	ug/kg wet	1966		83.3	75.5-106			
2,3-Dinitrotoluene	1760	200	ug/kg wet	2000		88.0	72.1-113			
2,4,6-Trinitrotoluene	1610	200	ug/kg wet	2000		80.5	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009176 - EPA 3570

LCS (A009176-BS1)

Prepared: 09/23/2020 Analyzed: 09/24/2020 11:36

2,4-Dinitrotoluene	1660	200	ug/kg wet	2000		83.0	68.7-120			
2,5-Dinitrotoluene	1570	200	ug/kg wet	2000		78.3	70.5-109			
2,6-Dinitrotoluene	1700	200	ug/kg wet	2000		85.2	78.1-111			
2-Amino-4,6-dinitrotoluene	1600	200	ug/kg wet	2000		80.2	65.3-107			
2-Nitrotoluene	1780	200	ug/kg wet	2000		89.2	76.5-115			
3,4-Dinitrotoluene	1810	100	ug/kg wet	2000		90.5	72.6-111			D
3,5-Dinitroaniline	1560	200	ug/kg wet	2000		77.8	63.8-110			
3,5-Dinitrotoluene	1650	200	ug/kg wet	2000		82.7	80.5-109			
3-Nitrotoluene	1730	200	ug/kg wet	2000		86.3	80-110			
4-Amino-2,6-dinitrotoluene	1330	200	ug/kg wet	2000		66.3	55.1-112			
4-Nitrotoluene	1730	200	ug/kg wet	2000		86.6	80.6-109			
Nitrobenzene	1870	200	ug/kg wet	2000		93.7	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1770</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>91.3</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.5</i>	<i>70-114</i>			

Matrix Spike (A009176-MS1)

Source: A203819-18

Prepared: 09/23/2020 Analyzed: 09/24/2020 12:39

1,2-Dimethyl-3,4-Dinitrobenzene	1640	210	ug/kg dry	2049	ND	79.9	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1590	210	ug/kg dry	2074	ND	76.7	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1840	210	ug/kg dry	2052	ND	89.4	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1690	210	ug/kg dry	2080	ND	81.2	64-114			
1,3,5-Trinitrobenzene	1260	210	ug/kg dry	2053	ND	61.3	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1620	210	ug/kg dry	2074	ND	78.0	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1770	210	ug/kg dry	2055	ND	86.0	75.4-111			
1,3-Dinitrobenzene	1260	210	ug/kg dry	2053	ND	61.6	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1710	210	ug/kg dry	2060	ND	82.9	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1720	210	ug/kg dry	2080	ND	82.7	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1710	210	ug/kg dry	2049	ND	83.4	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1590	210	ug/kg dry	2066	ND	76.9	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1580	210	ug/kg dry	2018	ND	78.4	64.6-113			
2,3-Dinitrotoluene	1660	210	ug/kg dry	2053	ND	80.9	61.7-112			
2,4,6-Trinitrotoluene	1460	210	ug/kg dry	2053	ND	71.3	27.1-169			
2,4-Dinitrotoluene	1540	210	ug/kg dry	2053	ND	75.1	57-126			
2,5-Dinitrotoluene	1450	210	ug/kg dry	2053	ND	70.6	64.6-108			
2,6-Dinitrotoluene	1610	210	ug/kg dry	2053	ND	78.6	66.2-116			
2-Amino-4,6-dinitrotoluene	1190	210	ug/kg dry	2053	ND	58.1	26.4-130			
2-Nitrotoluene	1760	210	ug/kg dry	2053	ND	85.7	73.2-116			
3,4-Dinitrotoluene	1700	100	ug/kg dry	2053	ND	82.8	59.8-115			D
3,5-Dinitroaniline	1230	210	ug/kg dry	2053	ND	59.9	31.2-124			
3,5-Dinitrotoluene	1580	210	ug/kg dry	2053	ND	77.1	69.5-111			
3-Nitrotoluene	1720	210	ug/kg dry	2053	ND	83.9	75.4-115			
4-Amino-2,6-dinitrotoluene	1090	210	ug/kg dry	2053	ND	52.9	20.6-139			
4-Nitrotoluene	1730	210	ug/kg dry	2053	ND	84.2	76.9-112			
Nitrobenzene	1870	210	ug/kg dry	2053	ND	91.3	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1570</i>		<i>ug/kg dry</i>	<i>1995</i>		<i>78.9</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1740</i>		<i>ug/kg dry</i>	<i>2053</i>		<i>84.7</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009176 - EPA 3570

Matrix Spike Dup (A009176-MSD1)

Source: A203819-18

Prepared: 09/23/2020 Analyzed: 09/24/2020 13:11

1,2-Dimethyl-3,4-Dinitrobenzene	1580	210	ug/kg dry	2074	ND	76.2	67.1-109	3.46	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1500	210	ug/kg dry	2099	ND	71.3	68.4-108	6.11	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1800	210	ug/kg dry	2077	ND	86.4	72.5-113	2.21	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1610	210	ug/kg dry	2105	ND	76.4	64-114	4.89	20	
1,3,5-Trinitrobenzene	1150	210	ug/kg dry	2078	ND	55.3	10.7-145	9.24	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1570	210	ug/kg dry	2099	ND	74.9	70.3-111	2.87	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1750	210	ug/kg dry	2080	ND	84.3	75.4-111	0.760	20	
1,3-Dinitrobenzene	1200	210	ug/kg dry	2078	ND	57.9	45.5-120	5.03	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1680	210	ug/kg dry	2084	ND	80.6	65.1-109	1.55	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1660	210	ug/kg dry	2105	ND	78.7	68.4-110	3.77	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1650	210	ug/kg dry	2074	ND	79.6	69.5-110	3.46	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1570	210	ug/kg dry	2091	ND	75.0	67-109	1.26	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1480	210	ug/kg dry	2043	ND	72.3	64.6-113	6.96	20	
2,3-Dinitrotoluene	1550	210	ug/kg dry	2078	ND	74.6	61.7-112	6.88	20	
2,4,6-Trinitrotoluene	1340	210	ug/kg dry	2078	ND	64.7	27.1-169	8.53	20	
2,4-Dinitrotoluene	1530	210	ug/kg dry	2078	ND	73.6	57-126	0.756	20	
2,5-Dinitrotoluene	1380	210	ug/kg dry	2078	ND	66.3	64.6-108	5.05	20	
2,6-Dinitrotoluene	1570	210	ug/kg dry	2078	ND	75.6	66.2-116	2.77	20	
2-Amino-4,6-dinitrotoluene	994	210	ug/kg dry	2078	ND	47.8	26.4-130	18.2	20	
2-Nitrotoluene	1730	210	ug/kg dry	2078	ND	83.5	73.2-116	1.43	20	
3,4-Dinitrotoluene	1630	100	ug/kg dry	2078	ND	78.5	59.8-115	4.09	20	D
3,5-Dinitroaniline	929	210	ug/kg dry	2078	ND	44.7	31.2-124	27.8	20	X
3,5-Dinitrotoluene	1510	210	ug/kg dry	2078	ND	72.8	69.5-111	4.55	20	
3-Nitrotoluene	1680	210	ug/kg dry	2078	ND	81.0	75.4-115	2.31	20	
4-Amino-2,6-dinitrotoluene	869	210	ug/kg dry	2078	ND	41.8	20.6-139	22.2	20	X
4-Nitrotoluene	1700	210	ug/kg dry	2078	ND	81.6	76.9-112	1.83	20	
Nitrobenzene	1870	210	ug/kg dry	2078	ND	90.0	74-115	0.188	20	
Surrogate: 2,2'-Dinitrobiphenyl	1480		ug/kg dry	2019		73.1	10-150			
Surrogate: Nitrobenzene-d5	1750		ug/kg dry	2078		84.4	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A009178 - % Solids

Duplicate (A009178-DUP1)

Source: A203819-01

Prepared: 09/23/2020 Analyzed: 09/24/2020 06:48

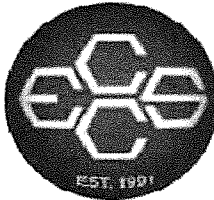
% Solids	99.4	0.00	% by Weight		99.5			0.0239	20	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference
- Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

FedEx 7715 4227 6333

Lab Work Order #: A203819	Mail Report To: Sharon Nordstrom
	Company: AECOM

Project Number: **SITE INVESTIGATION**
 Project Name: **Barksdale**
 Project Location: **Barksdale, WI**

Preservation Codes
 Analyses Requested: **A**
 Address: **4051 Ogletown Rd
 Newark, DE 19713**
 E-mail Address: **sharon.nordstrom@aecom.com**

Turn Around (check one): Normal 5 BDs 3 BDs 2 BDs 24 hrs
 If Rush, Report Due Date:
 Sampled By (Print): **Desmond Nielsen & Eric Schimidt**

Invoice To:
 Company: **AECOM**
 Address:

Sample Description	Collection		Matrix	Total # of Containers	NNOCs						Comments	Lab ID	Lab Receipt Time
	Date	Time											
SITG-200914-006C (5-5.5)	9/14/2020	16:35	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		01	
SITG-200914-007C (4-5)	9/14/2020	16:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		02	
SITG-200914-007W (0-4)	9/14/2020	16:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		03	
SITG-200915-008C (4-4.5)	9/15/2020	16:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		04	
SITG-200915-008E (0-4)	9/15/2020	16:35	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		05	
SITG-200915-009C (3.5-4)	9/15/2020	16:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		06	
SITG-200915-009E (0-4)	9/15/2020	16:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		07	
SITG-200915-010C (3.5-4)	9/15/2020	16:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		08	
SITG-200915-010C (3.5-4)-D	9/15/2020	16:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		09	
SITG-200915-010E (0-3.5)	9/15/2020	16:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		10	

Preservation Codes
 A=None B=HCL C=H₂SO₄
 D=HNO₃ E=EnCore F=Methanol
 G=NaOH O=Other (Indicate)

Matrix Codes
 A=Air S=Soil W=Water O=Other

Rush TAT Multipliers
 5 Business Days = 1.5x
 3 Business Days = 2x
 2 Business Days = 2.25x
 24 Hours = 2.5x
 must be pre-arranged

Relinquished By: *[Signature]*
 Relinquished By:

Date: **9/13/20** Time: **10:00**
 Date: Time:

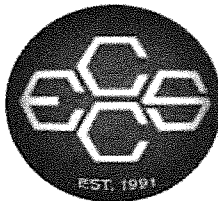
Received By: *[Signature]*
 Received By:

Date: **9/16/20** Time: **11:45**
 Date: Time:

Custody Seal: Present Absent Intact Not Intact

Seal #: *Pace* Shipped Via: **FedEx** Receipt Temp: **2.1°C** Temp Blank: Y N
 Exp: **9/14/20**

Page 26 of 27 A203819 FINAL 10 01 2020 0935



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: SITE INVESTIGATION				Lab Work Order #: A203819				Mail Report To: Sharon Nordstrom					
Project Name: Barksdale				Preservation Codes				Company: AECOM					
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd					
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com					
If Rush, Report Due Date:				Matrix				Invoice To:					
Sampled By (Print): Desmond Nielsen & Eric Schmidt								Company: AECOM					
				Total # of Containers				Address:					
								NNOCS					
Sample Description		Collection						Comments		Lab ID		Lab Receipt Time	
		Date Time											
SITG-200915-010S (0-3.5)		9/15/2020 17:00		S 1				11					
SITG-200915-006Z (0.5-2.5)		9/15/2020 17:05		S 1				12					
SITG-200915-008Z (0-5)		9/15/2020 17:10		S 1				13					
SITG-200915-007Z (2.5-4.5)		9/15/2020 17:15		S 1				14					
SITG-200916-011C (3.5-4)		9/16/2020 16:20		S 1				15					
SITG-200916-011Z (0-1.5)		9/16/2020 16:25		S 1				16					
SITG-200916-012C (2.5-3.5)		9/16/2020 16:30		S 1				17					
SITG-200916-012W (0-2.5)		9/16/2020 16:35		S 1				18					
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>ESL</i> Relinquished By:				Date: 9/17/20 Time: 12:00		Received By: <i>[Signature]</i> Received By:		Date: 9/18/20 Time: 11:45	
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s: <i>Pace</i>		Shipped Via: <i>Fed Ex</i>		Receipt Temp: <i>2.1°C</i> <small>SIN 100142070</small> EXP 12/19/20		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

October 16, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/02/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Palzkill For Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-200930-022Z-0-4.5	A204028-01	Soil	09/30/2020	10/02/2020
SITG-200930-023C-1-1.5	A204028-02	Soil	09/30/2020	10/02/2020
SITG-200929-015C-3.5-4	A204028-03	Soil	09/29/2020	10/02/2020
SITG-200929-016C-2.5-3	A204028-04	Soil	09/29/2020	10/02/2020
SITG-200929-017C-3.5-4	A204028-05	Soil	09/29/2020	10/02/2020
SITG-200929-018C-2-4	A204028-06	Soil	09/29/2020	10/02/2020
SITG-200929-019C-2-2.5	A204028-07	Soil	09/29/2020	10/02/2020
SITG-200930-020C-1-1.5	A204028-08	Soil	09/30/2020	10/02/2020
SITG-200930-021C-4-4.5	A204028-09	Soil	09/30/2020	10/02/2020
SITG-200930-021E-0-3.5	A204028-10	Soil	09/30/2020	10/02/2020
SITG-200930-021W-0-3.5	A204028-11	Soil	09/30/2020	10/02/2020
SITG-200930-022C-0.75-1.25	A204028-12	Soil	09/30/2020	10/02/2020
SITG-200921-013C-3.5-4	A204028-13	Soil	09/21/2020	10/02/2020
SITG-200921-013C-3.5-4-D	A204028-14	Soil	09/21/2020	10/02/2020
SITG-200921-014C-2-2.5	A204028-15	Soil	09/21/2020	10/02/2020
SITG-200922-013Z-0-4.5	A204028-16	Soil	09/22/2020	10/02/2020

CASE NARRATIVE

Sample Receipt Information:

16 samples were received on 10/02/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-022Z-0-4.5

A204028-01 (Soil)

Date Sampled
09/30/2020 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 18:50	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 33.7 % 10-150 10/07/2020 10/07/2020 18:50 EPA 8270D

Surrogate: Nitrobenzene-d5 84.8 % 70-114 10/07/2020 10/07/2020 18:50 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	98.2	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-023C-1-1.5

Date Sampled
09/30/2020 14:05

A204028-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 19:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		27.9 %		10-150	10/07/2020	10/07/2020 19:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		79.6 %		70-114	10/07/2020	10/07/2020 19:22	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	97.2	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200929-015C-3.5-4

Date Sampled

A204028-03 (Soil)

09/29/2020 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 19:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		26.2 %		10-150	10/07/2020	10/07/2020 19:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		76.9 %		70-114	10/07/2020	10/07/2020 19:53	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	98.1	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200929-016C-2.5-3

Date Sampled
09/29/2020 14:15

A204028-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:25	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		27.3 %		10-150	10/07/2020	10/07/2020 20:25	EPA 8270D	
Surrogate: Nitrobenzene-d5		75.7 %		70-114	10/07/2020	10/07/2020 20:25	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	96.9	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200929-017C-3.5-4

A204028-05 (Soil)

Date Sampled
09/29/2020 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 20:56	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		27.0 %		10-150	10/07/2020	10/07/2020 20:56	EPA 8270D	
Surrogate: Nitrobenzene-d5		75.0 %		70-114	10/07/2020	10/07/2020 20:56	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	96.9	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200929-018C-2-4

Date Sampled

A204028-06 (Soil)

09/29/2020 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
2,4,6-Trinitrotoluene	330	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2020	10/07/2020 21:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		26.4 %		10-150	10/07/2020	10/07/2020 21:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		73.3 %		70-114	10/07/2020	10/07/2020 21:28	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	97.5	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200929-019C-2-2.5

A204028-07 (Soil)

Date Sampled
09/29/2020 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/07/2020 23:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		28.5 %		10-150	10/07/2020	10/07/2020 23:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		79.9 %		70-114	10/07/2020	10/07/2020 23:34	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	98.0	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-020C-1-1.5

A204028-08 (Soil)

Date Sampled
09/30/2020 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		25.5 %		10-150	10/07/2020	10/08/2020 00:06	EPA 8270D	
Surrogate: Nitrobenzene-d5		77.9 %		70-114	10/07/2020	10/08/2020 00:06	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	97.3	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-021C-4-4.5

A204028-09 (Soil)

Date Sampled
09/30/2020 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 00:38	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		27.0 %		10-150	10/07/2020	10/08/2020 00:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		76.9 %		70-114	10/07/2020	10/08/2020 00:38	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	98.1	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-021E-0-3.5

Date Sampled
09/30/2020 13:45

A204028-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 01:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.0 %		10-150	10/07/2020	10/08/2020 01:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		75.7 %		70-114	10/07/2020	10/08/2020 01:09	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	98.8	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-021W-0-3.5

Date Sampled

A204028-11 (Soil)

09/30/2020 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 01:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		26.5 %		10-150	10/07/2020	10/08/2020 01:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		77.2 %		70-114	10/07/2020	10/08/2020 01:41	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	96.5	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-022C-0.75-1.25

A204028-12 (Soil)

Date Sampled
09/30/2020 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
2,4,6-Trinitrotoluene	910	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 02:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		33.8 %		10-150	10/07/2020	10/08/2020 02:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		75.2 %		70-114	10/07/2020	10/08/2020 02:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	97.5	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200921-013C-3.5-4

A204028-13 (Soil)

Date Sampled
09/21/2020 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,3,5-Trinitrobenzene	200	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 02:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		27.9 %		10-150	10/07/2020	10/08/2020 02:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		75.8 %		70-114	10/07/2020	10/08/2020 02:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	99.0	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200921-013C-3.5-4-D

A204028-14 (Soil)

Date Sampled
09/21/2020 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 03:15	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		26.0 %		10-150	10/07/2020	10/08/2020 03:15	EPA 8270D	
Surrogate: Nitrobenzene-d5		74.4 %		70-114	10/07/2020	10/08/2020 03:15	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	99.4	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200921-014C-2-2.5

A204028-15 (Soil)

Date Sampled
09/21/2020 16:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2020	10/08/2020 03:47	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		25.1 %		10-150	10/07/2020	10/08/2020 03:47	EPA 8270D	
Surrogate: Nitrobenzene-d5		72.9 %		70-114	10/07/2020	10/08/2020 03:47	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	97.3	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200922-013Z-0-4.5

Date Sampled
09/22/2020 14:30

A204028-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010116

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
2,4,6-Trinitrotoluene	330	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2020	10/08/2020 04:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		20.6 %		10-150	10/07/2020	10/08/2020 04:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		70.7 %		70-114	10/07/2020	10/08/2020 04:19	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010118

% Solids	97.6	0.00	% by Weight	1	10/07/2020	10/08/2020 08:47	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010116 - EPA 3570

Blank (A010116-BLK1)

Prepared: 10/07/2020 Analyzed: 10/07/2020 17:15

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	633		ug/kg wet	1943		32.6	10-150			
<i>Surrogate: Nitrobenzene-d5</i>	1710		ug/kg wet	2000		85.6	70-114			

LCS (A010116-BS1)

Prepared: 10/07/2020 Analyzed: 10/09/2020 10:51

1,2-Dimethyl-3,4-Dinitrobenzene	1630	200	ug/kg wet	1996		81.6	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1570	200	ug/kg wet	2020		77.6	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1740	200	ug/kg wet	1999		87.0	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1710	200	ug/kg wet	2026		84.2	72.5-113			
1,3,5-Trinitrobenzene	1260	200	ug/kg wet	2000		62.8	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1620	200	ug/kg wet	2020		80.2	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1680	200	ug/kg wet	2002		84.1	81.2-108			
1,3-Dinitrobenzene	1480	200	ug/kg wet	2000		74.1	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1690	200	ug/kg wet	2006		84.2	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1670	200	ug/kg wet	2026		82.5	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1630	200	ug/kg wet	1996		81.9	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1580	200	ug/kg wet	2012		78.5	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1610	200	ug/kg wet	1966		82.1	75.5-106			
2,3-Dinitrotoluene	1660	200	ug/kg wet	2000		83.2	72.1-113			
2,4,6-Trinitrotoluene	1380	200	ug/kg wet	2000		68.8	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010116 - EPA 3570

LCS (A010116-BS1)

Prepared: 10/07/2020 Analyzed: 10/09/2020 10:51

2,4-Dinitrotoluene	1710	200	ug/kg wet	2000		85.6	68.7-120			
2,5-Dinitrotoluene	1620	200	ug/kg wet	2000		80.9	70.5-109			
2,6-Dinitrotoluene	1650	200	ug/kg wet	2000		82.5	78.1-111			
2-Amino-4,6-dinitrotoluene	1420	200	ug/kg wet	2000		71.0	65.3-107			
2-Nitrotoluene	1670	200	ug/kg wet	2000		83.6	76.5-115			
3,4-Dinitrotoluene	1690	100	ug/kg wet	2000		84.6	72.6-111			D
3,5-Dinitroaniline	1470	200	ug/kg wet	2000		73.4	63.8-110			
3,5-Dinitrotoluene	1630	200	ug/kg wet	2000		81.3	80.5-109			
3-Nitrotoluene	1720	200	ug/kg wet	2000		86.1	80-110			
4-Amino-2,6-dinitrotoluene	1320	200	ug/kg wet	2000		66.0	55.1-112			
4-Nitrotoluene	1750	200	ug/kg wet	2000		87.3	80.6-109			
Nitrobenzene	1750	200	ug/kg wet	2000		87.3	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1420</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>72.9</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1690</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>84.6</i>	<i>70-114</i>			

Matrix Spike (A010116-MS1)

Source: A204028-16

Prepared: 10/07/2020 Analyzed: 10/08/2020 17:27

1,2-Dimethyl-3,4-Dinitrobenzene	1580	210	ug/kg dry	2053	ND	77.0	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1530	210	ug/kg dry	2077	ND	73.5	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1750	210	ug/kg dry	2056	ND	85.1	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1570	210	ug/kg dry	2084	ND	75.3	64-114			
1,3,5-Trinitrobenzene	1170	210	ug/kg dry	2057	159	49.0	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1580	210	ug/kg dry	2077	ND	76.0	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1680	210	ug/kg dry	2059	ND	81.5	75.4-111			
1,3-Dinitrobenzene	1290	210	ug/kg dry	2057	ND	62.6	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1710	210	ug/kg dry	2063	ND	82.8	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1670	210	ug/kg dry	2084	ND	80.3	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1640	210	ug/kg dry	2053	ND	79.7	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1520	210	ug/kg dry	2069	ND	73.3	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1560	210	ug/kg dry	2022	ND	77.0	64.6-113			
2,3-Dinitrotoluene	1500	210	ug/kg dry	2057	ND	72.8	61.7-112			
2,4,6-Trinitrotoluene	1970	210	ug/kg dry	2057	328	79.9	27.1-169			
2,4-Dinitrotoluene	1640	210	ug/kg dry	2057	ND	79.8	57-126			
2,5-Dinitrotoluene	1480	210	ug/kg dry	2057	ND	72.1	64.6-108			
2,6-Dinitrotoluene	1540	210	ug/kg dry	2057	ND	74.9	66.2-116			
2-Amino-4,6-dinitrotoluene	1320	210	ug/kg dry	2057	174	55.7	26.4-130			
2-Nitrotoluene	1700	210	ug/kg dry	2057	ND	82.5	73.2-116			
3,4-Dinitrotoluene	1600	100	ug/kg dry	2057	ND	78.0	59.8-115			D
3,5-Dinitroaniline	1250	210	ug/kg dry	2057	ND	60.9	31.2-124			
3,5-Dinitrotoluene	1570	210	ug/kg dry	2057	ND	76.5	69.5-111			
3-Nitrotoluene	1730	210	ug/kg dry	2057	ND	84.2	75.4-115			
4-Amino-2,6-dinitrotoluene	1030	210	ug/kg dry	2057	172	41.5	20.6-139			
4-Nitrotoluene	1760	210	ug/kg dry	2057	ND	85.8	76.9-112			
Nitrobenzene	1790	210	ug/kg dry	2057	ND	87.1	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1350</i>		<i>ug/kg dry</i>	<i>1998</i>		<i>67.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1690</i>		<i>ug/kg dry</i>	<i>2057</i>		<i>82.0</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010116 - EPA 3570

Matrix Spike Dup (A010116-MSD1)

Source: A204028-16

Prepared: 10/07/2020 Analyzed: 10/08/2020 17:58

1,2-Dimethyl-3,4-Dinitrobenzene	1630	200	ug/kg dry	2045	ND	79.6	67.1-109	2.99	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1560	200	ug/kg dry	2069	ND	75.4	68.4-108	2.16	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1740	200	ug/kg dry	2048	ND	84.8	72.5-113	0.754	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1670	200	ug/kg dry	2075	ND	80.5	64-114	6.18	20	
1,3,5-Trinitrobenzene	1240	200	ug/kg dry	2049	159	52.7	10.7-145	6.10	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1600	200	ug/kg dry	2069	ND	77.3	70.3-111	1.37	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1700	200	ug/kg dry	2051	ND	82.9	75.4-111	1.31	20	
1,3-Dinitrobenzene	1340	200	ug/kg dry	2049	ND	65.6	45.5-120	4.24	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1670	200	ug/kg dry	2055	ND	81.1	65.1-109	2.50	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1680	200	ug/kg dry	2075	ND	81.1	68.4-110	0.598	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1630	200	ug/kg dry	2045	ND	79.8	69.5-110	0.338	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1570	200	ug/kg dry	2061	ND	76.3	67-109	3.64	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1580	200	ug/kg dry	2014	ND	78.4	64.6-113	1.39	20	
2,3-Dinitrotoluene	1530	200	ug/kg dry	2049	ND	74.9	61.7-112	2.47	20	
2,4,6-Trinitrotoluene	2140	200	ug/kg dry	2049	328	88.6	27.1-169	8.39	20	
2,4-Dinitrotoluene	1680	200	ug/kg dry	2049	ND	81.8	57-126	2.04	20	
2,5-Dinitrotoluene	1520	200	ug/kg dry	2049	ND	74.0	64.6-108	2.23	20	
2,6-Dinitrotoluene	1590	200	ug/kg dry	2049	ND	77.4	66.2-116	2.86	20	
2-Amino-4,6-dinitrotoluene	1390	200	ug/kg dry	2049	174	59.6	26.4-130	5.54	20	
2-Nitrotoluene	1730	200	ug/kg dry	2049	ND	84.2	73.2-116	1.64	20	
3,4-Dinitrotoluene	1620	100	ug/kg dry	2049	ND	79.0	59.8-115	0.921	20	D
3,5-Dinitroaniline	1350	200	ug/kg dry	2049	ND	65.8	31.2-124	7.32	20	
3,5-Dinitrotoluene	1590	200	ug/kg dry	2049	ND	77.5	69.5-111	0.864	20	
3-Nitrotoluene	1740	200	ug/kg dry	2049	ND	85.0	75.4-115	0.568	20	
4-Amino-2,6-dinitrotoluene	1070	200	ug/kg dry	2049	172	43.8	20.6-139	4.17	20	
4-Nitrotoluene	1770	200	ug/kg dry	2049	ND	86.6	76.9-112	0.583	20	
Nitrobenzene	1800	200	ug/kg dry	2049	ND	87.9	74-115	0.457	20	
Surrogate: 2,2'-Dinitrobiphenyl	1440		ug/kg dry	1990		72.2	10-150			
Surrogate: Nitrobenzene-d5	1710		ug/kg dry	2049		83.5	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010118 - % Solids

Duplicate (A010118-DUP1)

Source: A204028-01

Prepared: 10/07/2020 Analyzed: 10/08/2020 08:47

% Solids	98.3	0.00	% by Weight		98.2			0.101	20	
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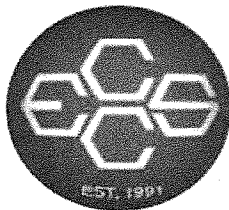
AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- E1 Estimated value because of quality control sample exceedances.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.

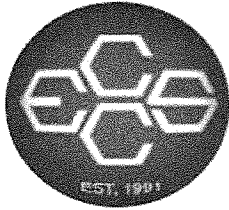


Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: SITE INVESTIGATION				Lab Work Order #: A204028				Mail Report To: Sharon Nordstrom							
Project Name: Barksdale				Preservation Codes				Company: AECOM							
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com							
If Rush, Report Due Date:								Invoice To:							
Sampled By (Print): Desmond Nielsen				Matrix				Company: AECOM							
<i>Samples placed in freezer after collection</i>								Address:							
Sample Description		Collection		Total # of Containers		NNOCS						Comments		Lab ID	Lab Receipt Time
Date	Time	Date	Time												
SITG-200930-022Z (0-4.5)		9/30/2020	14:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				01	
SITG-200930-023C (1-1.5)		9/30/2020	14:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				02	
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>Desmond Nielsen</i>		Date: 10/1/2020		Time: 12:00		Received By: <i>[Signature]</i>		Date: 10/02/20		Time: 11:25	
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
				Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s: 1139669/6762		Shipped Via: FedEx		Receipt Temp: 3.0°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			

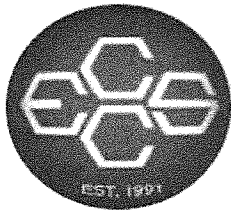
Page 24 of 26 A204028 FINAL 10 16 2020 0905



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: SITE INVESTIGATION				Lab Work Order #: A204028				Mail Report To: Sharon Nordstrom							
Project Name: Barksdale				Preservation Codes				Company: AECOM							
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com							
If Rush, Report Due Date:				Matrix	Total # of Containers	NNOCs						Invoice To:			
Sampled By (Print): Desmond Nielsen												Company: AECOM			
<i>Samples placed in freezer after collection</i> Sample Description				Collection									Address:		
				Date	Time								Comments		Lab ID
SITG-200929-015C (3.5-4)		9/29/2020	14:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			03		
SITG-200929-016C (2.5-3)		9/29/2020	14:15	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			04		
SITG-200929-017C (3.5-4)		9/29/2020	16:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			05		
SITG-200929-018C (2-4)		9/29/2020	16:35	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			06		
SITG-200929-019C (2-2.5)		9/29/2020	16:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			07		
SITG-200930-020C (1-1.5)		9/30/2020	13:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			08		
SITG-200930-021C (4-4.5)		9/30/2020	13:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			09		
SITG-200930-021E (0-3.5)		9/30/2020	13:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			10		
SITG-200930-021W (0-3.5)		9/30/2020	13:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			11		
SITG-200930-022C (0.75-1.25)		9/30/2020	13:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			12		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Relinquished By:		Date: 10/1/2020 Date:		Time: 12:00 Time:		Received By: <i>[Signature]</i> Received By:		Date: 10/2/20 Date:		Time: 11:25 Time:	
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s: 1139669/68		Shipped Via: Fed Ex		Receipt Temp: 3.0°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
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 608-221-8700 (phone)
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CHAIN OF CUSTODY

Lab Work Order #: A204028		Mail Report To: Sharon Nordstrom													
Preservation Codes		Company: AECOM													
Analyses Requested		Address: 4051 Ogletown Rd													
A		E-mail Address: sharon.nordstrom@aecom.com													
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs		Invoice To:													
If Rush, Report Due Date:		Company: AECOM													
Sampled By (Print): Desmond Nielsen		Address:													
<i>Samples placed in freezer after collection</i> Sample Description		Comments		Lab ID	Lab Receipt Time										
				Collection Date	Collection Time										
SITG-200921-013C (3.5-4)	9/21/2020	16:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		13				
SITG-200921-013C (3.5-4)-D	9/21/2020	16:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		14				
SITG-200921-014C (2-2.5)	9/21/2020	16:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		15				
SITG-200922-013Z (0-4.5)	9/22/2020	14:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		16				
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i>		Date: 10/1/2020		Time: 12:00		Received By: <i>[Signature]</i>		Date: 10/02/20		Time: 11:25	
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
				Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s: 1136996/68		Shipped Via: FedEx		Receipt Temp: 3.0°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			

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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

October 14, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/07/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-201005-024Z-0-0.5	A204113-01	Soil	10/05/2020	10/07/2020
SITG-201005-029Z-0-0.2	A204113-02	Soil	10/05/2020	10/07/2020

CASE NARRATIVE

Sample Receipt Information:

Two samples were received on 10/07/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-024Z-0-0.5

A204113-01 (Soil)

Date Sampled
10/05/2020 16:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010123

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
2,4,6-Trinitrotoluene	3400	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	210	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	280	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:01	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 60.1 % 10-150 10/08/2020 10/08/2020 19:01 EPA 8270D

Surrogate: Nitrobenzene-d5 81.2 % 70-114 10/08/2020 10/08/2020 19:01 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A010150

% Solids	97.9	0.00	% by Weight	1	10/14/2020	10/14/2020 16:16	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-029Z-0-0.2

Date Sampled
10/05/2020 17:00

A204113-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010123

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
2,4,6-Trinitrotoluene	19000	810	ug/kg dry	4	10/08/2020	10/09/2020 11:23	EPA 8270D	M, D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	370	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1000	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2020	10/08/2020 19:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.7 %		10-150	10/08/2020	10/08/2020 19:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.4 %		70-114	10/08/2020	10/08/2020 19:33	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010150

% Solids	98.0	0.00	% by Weight	1	10/14/2020	10/14/2020 16:16	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010123 - EPA 3570

Blank (A010123-BLK1)

Prepared: 10/08/2020 Analyzed: 10/08/2020 18:30

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	695		ug/kg wet	1955		35.6	10-150			
<i>Surrogate: Nitrobenzene-d5</i>	1680		ug/kg wet	2012		83.3	70-114			

LCS (A010123-BS1)

Prepared: 10/08/2020 Analyzed: 10/08/2020 21:08

1,2-Dimethyl-3,4-Dinitrobenzene	1670	200	ug/kg wet	1988		84.1	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1620	200	ug/kg wet	2012		80.6	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1790	200	ug/kg wet	1991		90.0	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1680	200	ug/kg wet	2018		83.4	72.5-113			
1,3,5-Trinitrobenzene	1330	200	ug/kg wet	1992		66.8	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg wet	2012		83.7	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1730	200	ug/kg wet	1994		86.6	81.2-108			
1,3-Dinitrobenzene	1660	200	ug/kg wet	1992		83.2	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg wet	1998		87.5	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1730	200	ug/kg wet	2018		85.6	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1700	200	ug/kg wet	1988		85.8	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1640	200	ug/kg wet	2004		81.8	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1710	200	ug/kg wet	1958		87.2	75.5-106			
2,3-Dinitrotoluene	1730	200	ug/kg wet	1992		86.7	72.1-113			
2,4,6-Trinitrotoluene	1450	200	ug/kg wet	1992		72.6	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010123 - EPA 3570

LCS (A010123-BS1)

Prepared: 10/08/2020 Analyzed: 10/08/2020 21:08

2,4-Dinitrotoluene	1810	200	ug/kg wet	1992		90.8	68.7-120			
2,5-Dinitrotoluene	1690	200	ug/kg wet	1992		84.7	70.5-109			
2,6-Dinitrotoluene	1750	200	ug/kg wet	1992		88.0	78.1-111			
2-Amino-4,6-dinitrotoluene	1470	200	ug/kg wet	1992		73.8	65.3-107			
2-Nitrotoluene	1730	200	ug/kg wet	1992		86.8	76.5-115			
3,4-Dinitrotoluene	1790	100	ug/kg wet	1992		89.8	72.6-111			D
3,5-Dinitroaniline	1630	200	ug/kg wet	1992		81.8	63.8-110			
3,5-Dinitrotoluene	1690	200	ug/kg wet	1992		84.9	80.5-109			
3-Nitrotoluene	1780	200	ug/kg wet	1992		89.2	80-110			
4-Amino-2,6-dinitrotoluene	1330	200	ug/kg wet	1992		66.8	55.1-112			
4-Nitrotoluene	1780	200	ug/kg wet	1992		89.6	80.6-109			
Nitrobenzene	1750	200	ug/kg wet	1992		88.1	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1540</i>		<i>ug/kg wet</i>	<i>1935</i>		<i>79.4</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1710</i>		<i>ug/kg wet</i>	<i>1992</i>		<i>85.7</i>	<i>70-114</i>			

Matrix Spike (A010123-MS1)

Source: A204113-02

Prepared: 10/08/2020 Analyzed: 10/08/2020 20:05

1,2-Dimethyl-3,4-Dinitrobenzene	1660	200	ug/kg dry	2041	ND	81.3	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1610	200	ug/kg dry	2066	ND	78.2	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1760	200	ug/kg dry	2044	ND	86.1	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg dry	2072	ND	85.7	64-114			
1,3,5-Trinitrobenzene	1270	200	ug/kg dry	2045	ND	62.0	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1650	200	ug/kg dry	2066	ND	80.1	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1700	200	ug/kg dry	2047	ND	82.9	75.4-111			
1,3-Dinitrobenzene	1500	200	ug/kg dry	2045	ND	73.1	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg dry	2051	ND	84.4	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1720	200	ug/kg dry	2072	ND	82.9	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1680	200	ug/kg dry	2041	ND	82.2	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1630	200	ug/kg dry	2057	ND	79.3	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1660	200	ug/kg dry	2010	ND	82.3	64.6-113			
2,3-Dinitrotoluene	1640	200	ug/kg dry	2045	ND	80.0	61.7-112			
2,4,6-Trinitrotoluene	18400	200	ug/kg dry	2045	18600	NR	27.1-169			M
2,4-Dinitrotoluene	1740	200	ug/kg dry	2045	ND	85.3	57-126			
2,5-Dinitrotoluene	1620	200	ug/kg dry	2045	ND	79.2	64.6-108			
2,6-Dinitrotoluene	1680	200	ug/kg dry	2045	ND	82.1	66.2-116			
2-Amino-4,6-dinitrotoluene	1970	200	ug/kg dry	2045	370	78.2	26.4-130			
2-Nitrotoluene	1760	200	ug/kg dry	2045	ND	86.1	73.2-116			
3,4-Dinitrotoluene	1680	100	ug/kg dry	2045	ND	82.3	59.8-115			D
3,5-Dinitroaniline	1670	200	ug/kg dry	2045	ND	81.8	31.2-124			
3,5-Dinitrotoluene	1670	200	ug/kg dry	2045	ND	81.4	69.5-111			
3-Nitrotoluene	1780	200	ug/kg dry	2045	ND	87.2	75.4-115			
4-Amino-2,6-dinitrotoluene	2950	200	ug/kg dry	2045	1000	95.4	20.6-139			
4-Nitrotoluene	1790	200	ug/kg dry	2045	ND	87.7	76.9-112			
Nitrobenzene	1780	200	ug/kg dry	2045	ND	87.2	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1580</i>		<i>ug/kg dry</i>	<i>1987</i>		<i>79.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1760</i>		<i>ug/kg dry</i>	<i>2045</i>		<i>86.1</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010123 - EPA 3570

Matrix Spike Dup (A010123-MSD1)

Source: A204113-02

Prepared: 10/08/2020 Analyzed: 10/08/2020 20:36

1,2-Dimethyl-3,4-Dinitrobenzene	1690	200	ug/kg dry	2037	ND	83.0	67.1-109	1.82	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1680	200	ug/kg dry	2062	ND	81.4	68.4-108	3.83	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1790	200	ug/kg dry	2040	ND	87.8	72.5-113	1.83	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1830	200	ug/kg dry	2068	ND	88.7	64-114	3.25	20	
1,3,5-Trinitrobenzene	1360	200	ug/kg dry	2041	ND	66.8	10.7-145	7.23	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1690	200	ug/kg dry	2062	ND	82.2	70.3-111	2.41	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1740	200	ug/kg dry	2043	ND	85.4	75.4-111	2.70	20	
1,3-Dinitrobenzene	1610	200	ug/kg dry	2041	ND	78.8	45.5-120	7.24	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1720	200	ug/kg dry	2047	ND	84.2	65.1-109	0.398	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1750	200	ug/kg dry	2068	ND	84.5	68.4-110	1.78	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1710	200	ug/kg dry	2037	ND	84.0	69.5-110	2.03	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1680	200	ug/kg dry	2053	ND	81.7	67-109	2.72	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1710	200	ug/kg dry	2006	ND	85.2	64.6-113	3.18	20	
2,3-Dinitrotoluene	1670	200	ug/kg dry	2041	ND	81.7	61.7-112	1.96	20	
2,4,6-Trinitrotoluene	19500	200	ug/kg dry	2041	18600	43.7	27.1-169	6.14	20	
2,4-Dinitrotoluene	1800	200	ug/kg dry	2041	ND	88.1	57-126	3.09	20	
2,5-Dinitrotoluene	1720	200	ug/kg dry	2041	ND	84.4	64.6-108	6.16	20	
2,6-Dinitrotoluene	1710	200	ug/kg dry	2041	ND	83.8	66.2-116	1.86	20	
2-Amino-4,6-dinitrotoluene	2030	200	ug/kg dry	2041	370	81.3	26.4-130	3.02	20	
2-Nitrotoluene	1780	200	ug/kg dry	2041	ND	87.0	73.2-116	0.882	20	
3,4-Dinitrotoluene	1730	100	ug/kg dry	2041	ND	84.7	59.8-115	2.71	20	D
3,5-Dinitroaniline	1740	200	ug/kg dry	2041	ND	85.5	31.2-124	4.21	20	
3,5-Dinitrotoluene	1700	200	ug/kg dry	2041	ND	83.4	69.5-111	2.25	20	
3-Nitrotoluene	1810	200	ug/kg dry	2041	ND	88.6	75.4-115	1.36	20	
4-Amino-2,6-dinitrotoluene	3000	200	ug/kg dry	2041	1000	97.9	20.6-139	1.58	20	
4-Nitrotoluene	1820	200	ug/kg dry	2041	ND	89.3	76.9-112	1.58	20	
Nitrobenzene	1780	200	ug/kg dry	2041	ND	87.1	74-115	0.297	20	
Surrogate: 2,2'-Dinitrobiphenyl	1670		ug/kg dry	1983		84.1	10-150			
Surrogate: Nitrobenzene-d5	1750		ug/kg dry	2041		85.7	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010150 - % Solids

Duplicate (A010150-DUP1)

Source: A204113-01

Prepared: 10/14/2020 Analyzed: 10/14/2020 16:16

% Solids	98.0	0.00	% by Weight		97.9			0.0564	20	
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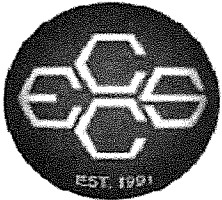
AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

A204113

FEDEx 7717 1403 0250

CHAIN OF CUSTODY

Project Number: SITE INVESTIGATON, 60635957				Lab Work Order #:				Mail Report To: Sharon Nordstrom									
Project Name: Barksdale				Preservation Codes				Company: AECOM									
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd									
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com									
If Rush, Report Due Date:				Matrix				Total # of Containers				Invoice To:					
Sampled By (Print): Desmond Nielsen & Eric Schmidt												Company: AECOM					
Sample Description				Collection		NNOCS				Comments				Lab ID		Lab Receipt Time	
				Date	Time									Date		Time	
SITG-201005-024Z (0-0.5)				10/5/2020	16:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RUSH	01		
SITG-201005-029Z (0-0.2)				10/5/2020	17:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RUSH	02		
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Date: 10/6/2020 Time: 09:00		Relinquished By: Date: Time:		Received By: <i>[Signature]</i> Date: 10/07/20 Time: 11:45		Received By: Date: Time:		Shipped Via: FedEx Receipt Temp: 3.9°C Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		Seal #: N/A Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact			

Page 10 of 10 A204113 FINAL 10 14 2020 1649



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

October 21, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/07/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-201005-024C-1-1.5	A204114-01	Soil	10/05/2020	10/07/2020
SITG-201005-024W-0-1	A204114-02	Soil	10/05/2020	10/07/2020
SITG-201005-024W-0-1-D	A204114-03	Soil	10/05/2020	10/07/2020
SITG-201005-025C-1-1.5	A204114-04	Soil	10/05/2020	10/07/2020
SITG-201005-025W-0-1	A204114-05	Soil	10/05/2020	10/07/2020
SITG-201005-025S-0-1	A204114-06	Soil	10/05/2020	10/07/2020
SITG-201005-026C-0.5-1	A204114-07	Soil	10/05/2020	10/07/2020
SITG-201005-026S-0-0.5	A204114-08	Soil	10/05/2020	10/07/2020
SITG-201005-027C-0.5-1	A204114-09	Soil	10/05/2020	10/07/2020
SITG-201005-027W-0-0.5	A204114-10	Soil	10/05/2020	10/07/2020
SITG-201005-028C-0.5-1	A204114-11	Soil	10/05/2020	10/07/2020
SITG-201005-028W-0-0.5	A204114-12	Soil	10/05/2020	10/07/2020
SITG-201005-029C-1-1.5	A204114-13	Soil	10/05/2020	10/07/2020
SITG-201005-029E-0-1	A204114-14	Soil	10/05/2020	10/07/2020
SITG-201005-030C-1-1.5	A204114-15	Soil	10/05/2020	10/07/2020
SITG-201005-030E-0-1	A204114-16	Soil	10/05/2020	10/07/2020
SITG-201005-031C-1-1.5	A204114-17	Soil	10/05/2020	10/07/2020
SITG-201005-031E-0-1	A204114-18	Soil	10/05/2020	10/07/2020
SITG-201005-032C-1-1.5	A204114-19	Soil	10/05/2020	10/07/2020
SITG-201005-032E-0-1	A204114-20	Soil	10/05/2020	10/07/2020
SITG-201005-032S-0-1	A204114-21	Soil	10/05/2020	10/07/2020
SITG-201005-027Z-0-0.5	A204114-22	Soil	10/05/2020	10/07/2020

CASE NARRATIVE

Sample Receipt Information:

22 samples were received on 10/07/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-024C-1-1.5

A204114-01 (Soil)

Date Sampled
10/05/2020 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/19/2020	10/20/2020 00:52	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 32.3 % 10-150 10/19/2020 10/20/2020 00:52 EPA 8270D

Surrogate: Nitrobenzene-d5 79.7 % 70-114 10/19/2020 10/20/2020 00:52 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A010147

% Solids	97.2	0.00	% by Weight	1	10/14/2020	10/15/2020 10:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-024W-0-1

Date Sampled
10/05/2020 15:15

A204114-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:23	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.9 %		10-150	10/19/2020	10/20/2020 01:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.8 %		70-114	10/19/2020	10/20/2020 01:23	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010147

% Solids	98.2	0.00	% by Weight	1	10/14/2020	10/15/2020 10:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-024W-0-1-D

Date Sampled

A204114-03 (Soil)

10/05/2020 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 01:55	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.3 %		10-150	10/19/2020	10/20/2020 01:55	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.7 %		70-114	10/19/2020	10/20/2020 01:55	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010147

% Solids	98.5	0.00	% by Weight	1	10/14/2020	10/15/2020 10:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-025C-1-1.5

Date Sampled

A204114-04 (Soil)

10/05/2020 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:27	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		41.7 %		10-150	10/19/2020	10/20/2020 02:27	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.8 %		70-114	10/19/2020	10/20/2020 02:27	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010147

% Solids	97.3	0.00	% by Weight	1	10/14/2020	10/15/2020 10:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-025W-0-1

Date Sampled

A204114-05 (Soil)

10/05/2020 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 02:58	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		47.9 %		10-150	10/19/2020	10/20/2020 02:58	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.0 %		70-114	10/19/2020	10/20/2020 02:58	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010147

% Solids	98.4	0.00	% by Weight	1	10/14/2020	10/15/2020 10:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-025S-0-1

Date Sampled

A204114-06 (Soil)

10/05/2020 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.0 %		10-150	10/19/2020	10/20/2020 05:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.8 %		70-114	10/19/2020	10/20/2020 05:04	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010147

% Solids	98.1	0.00	% by Weight	1	10/14/2020	10/15/2020 10:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-026C-0.5-1

Date Sampled

A204114-07 (Soil)

10/05/2020 15:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 05:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.4 %		10-150	10/19/2020	10/20/2020 05:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.5 %		70-114	10/19/2020	10/20/2020 05:36	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010147

% Solids	98.1	0.00	% by Weight	1	10/14/2020	10/15/2020 10:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-026S-0-0.5

Date Sampled

A204114-08 (Soil)

10/05/2020 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
2,4,6-Trinitrotoluene	210000	81000	ug/kg dry	400	10/19/2020	10/20/2020 15:21	EPA 8270D	D
2,4-Dinitrotoluene	300	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	18000	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
3,5-Dinitroaniline	420	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	60000	1600	ug/kg dry	8	10/19/2020	10/20/2020 14:50	EPA 8270D	D
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:07	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

121 % 10-150

10/19/2020 10/20/2020 06:07

EPA 8270D

Surrogate: Nitrobenzene-d5

91.6 % 70-114

10/19/2020 10/20/2020 06:07

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.3	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-027C-0.5-1

Date Sampled

A204114-09 (Soil)

10/05/2020 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 14:18	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 14:18	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 14:18	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 06:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.0 %		10-150	10/19/2020	10/20/2020 14:18	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.1 %		70-114	10/19/2020	10/20/2020 14:18	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.2	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-027W-0-0.5

Date Sampled

A204114-10 (Soil)

10/05/2020 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:11	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.1 %		10-150	10/19/2020	10/20/2020 07:11	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.7 %		70-114	10/19/2020	10/20/2020 07:11	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.0	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-028C-0.5-1

Date Sampled

A204114-11 (Soil)

10/05/2020 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 07:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.6 %		10-150	10/19/2020	10/20/2020 07:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.2 %		70-114	10/19/2020	10/20/2020 07:43	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.0	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-028W-0-0.5

Date Sampled
10/05/2020 16:00

A204114-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		59.6 %		10-150	10/19/2020	10/20/2020 08:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.7 %		70-114	10/19/2020	10/20/2020 08:14	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	97.8	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-029C-1-1.5

Date Sampled

A204114-13 (Soil)

10/05/2020 16:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 08:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.7 %		10-150	10/19/2020	10/20/2020 08:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.4 %		70-114	10/19/2020	10/20/2020 08:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	99.0	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-029E-0-1

Date Sampled

A204114-14 (Soil)

10/05/2020 16:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
2,4,6-Trinitrotoluene	6200	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	430	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	760	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		92.1 %		10-150	10/19/2020	10/20/2020 09:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.1 %		70-114	10/19/2020	10/20/2020 09:17	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.0	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-030C-1-1.5

Date Sampled

A204114-15 (Soil)

10/05/2020 16:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
2,4,6-Trinitrotoluene	20000	800	ug/kg dry	4	10/19/2020	10/20/2020 15:53	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
2-Amino-4,6-dinitrotoluene	600	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
4-Amino-2,6-dinitrotoluene	630	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 09:49	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		98.5 %	10-150		10/19/2020	10/20/2020 09:49	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.7 %	70-114		10/19/2020	10/20/2020 09:49	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	97.9	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-030E-0-1

Date Sampled

A204114-16 (Soil)

10/05/2020 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
2,4,6-Trinitrotoluene	200	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 11:24	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.0 %		10-150	10/19/2020	10/20/2020 11:24	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.0 %		70-114	10/19/2020	10/20/2020 11:24	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.5	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-031C-1-1.5

Date Sampled

A204114-17 (Soil)

10/05/2020 16:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.9 %		10-150	10/19/2020	10/20/2020 12:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.9 %		70-114	10/19/2020	10/20/2020 12:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.7	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-031E-0-1

Date Sampled

A204114-18 (Soil)

10/05/2020 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
2,4,6-Trinitrotoluene	330	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 12:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		88.6 %		10-150	10/19/2020	10/20/2020 12:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.1 %		70-114	10/19/2020	10/20/2020 12:43	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.1	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-032C-1-1.5

Date Sampled

A204114-19 (Soil)

10/05/2020 16:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:15	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.2 %		10-150	10/19/2020	10/20/2020 13:15	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.8 %		70-114	10/19/2020	10/20/2020 13:15	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	97.9	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-032E-0-1

Date Sampled

A204114-20 (Soil)

10/05/2020 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010167

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 13:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.0 %		10-150	10/19/2020	10/20/2020 13:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.1 %		70-114	10/19/2020	10/20/2020 13:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.0	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-032S-0-1

Date Sampled

A204114-21 (Soil)

10/05/2020 16:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 18:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.4 %		10-150	10/19/2020	10/20/2020 18:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.5 %		70-114	10/19/2020	10/20/2020 18:37	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	97.8	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201005-027Z-0-0.5

Date Sampled

A204114-22 (Soil)

10/05/2020 16:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
2,4,6-Trinitrotoluene	19000	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	840	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1700	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	220	200	ug/kg dry	1	10/19/2020	10/20/2020 19:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.0 %		10-150	10/19/2020	10/20/2020 19:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.5 %		70-114	10/19/2020	10/20/2020 19:09	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010148

% Solids	98.2	0.00	% by Weight	1	10/14/2020	10/15/2020 10:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010167 - EPA 3570

Blank (A010167-BLK1)

Prepared: 10/19/2020 Analyzed: 10/20/2020 00:20

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	846		ug/kg wet	1943		43.6	10-150			
<i>Surrogate: Nitrobenzene-d5</i>	1750		ug/kg wet	2000		87.3	70-114			

LCS (A010167-BS1)

Prepared: 10/19/2020 Analyzed: 10/19/2020 23:17

1,2-Dimethyl-3,4-Dinitrobenzene	1740	200	ug/kg wet	1996		87.4	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1680	200	ug/kg wet	2020		83.1	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1770	200	ug/kg wet	1999		88.5	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1700	200	ug/kg wet	2026		84.0	72.5-113			
1,3,5-Trinitrobenzene	1400	200	ug/kg wet	2000		70.1	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg wet	2020		86.8	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1750	200	ug/kg wet	2002		87.5	81.2-108			
1,3-Dinitrobenzene	1480	200	ug/kg wet	2000		74.0	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1790	200	ug/kg wet	2006		89.2	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1730	200	ug/kg wet	2026		85.3	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1760	200	ug/kg wet	1996		88.4	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg wet	2012		86.2	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg wet	1966		87.5	75.5-106			
2,3-Dinitrotoluene	1730	200	ug/kg wet	2000		86.3	72.1-113			
2,4,6-Trinitrotoluene	1560	200	ug/kg wet	2000		78.0	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010167 - EPA 3570

LCS (A010167-BS1)

Prepared: 10/19/2020 Analyzed: 10/19/2020 23:17

2,4-Dinitrotoluene	1640	200	ug/kg wet	2000		82.1	68.7-120			
2,5-Dinitrotoluene	1600	200	ug/kg wet	2000		80.0	70.5-109			
2,6-Dinitrotoluene	1750	200	ug/kg wet	2000		87.4	78.1-111			
2-Amino-4,6-dinitrotoluene	1610	200	ug/kg wet	2000		80.3	65.3-107			
2-Nitrotoluene	1750	200	ug/kg wet	2000		87.7	76.5-115			
3,4-Dinitrotoluene	1770	200	ug/kg wet	2000		88.5	72.6-111			
3,5-Dinitroaniline	1520	200	ug/kg wet	2000		75.8	63.8-110			
3,5-Dinitrotoluene	1680	200	ug/kg wet	2000		83.9	80.5-109			
3-Nitrotoluene	1760	200	ug/kg wet	2000		88.2	80-110			
4-Amino-2,6-dinitrotoluene	1390	200	ug/kg wet	2000		69.3	55.1-112			
4-Nitrotoluene	1760	200	ug/kg wet	2000		88.1	80.6-109			
Nitrobenzene	1760	200	ug/kg wet	2000		87.8	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1750</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>90.1</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1760</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>88.0</i>	<i>70-114</i>			

Matrix Spike (A010167-MS1)

Source: A204114-01

Prepared: 10/19/2020 Analyzed: 10/19/2020 22:45

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg dry	2037	ND	88.0	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1670	200	ug/kg dry	2062	ND	80.8	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1810	200	ug/kg dry	2040	ND	88.5	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1710	200	ug/kg dry	2068	ND	82.7	64-114			
1,3,5-Trinitrobenzene	3190	200	ug/kg dry	4082	ND	78.2	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1740	200	ug/kg dry	2062	ND	84.3	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg dry	2043	ND	90.5	75.4-111			
1,3-Dinitrobenzene	3490	200	ug/kg dry	4082	ND	85.6	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg dry	2047	ND	84.4	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1760	200	ug/kg dry	2068	ND	85.0	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1780	200	ug/kg dry	2037	ND	87.6	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1690	200	ug/kg dry	2053	ND	82.4	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg dry	2006	ND	87.5	64.6-113			
2,3-Dinitrotoluene	1730	200	ug/kg dry	2041	ND	84.7	61.7-112			
2,4,6-Trinitrotoluene	3620	200	ug/kg dry	4082	ND	88.7	27.1-169			
2,4-Dinitrotoluene	3440	200	ug/kg dry	4082	ND	84.4	57-126			
2,5-Dinitrotoluene	1690	200	ug/kg dry	2041	ND	82.6	64.6-108			
2,6-Dinitrotoluene	3660	200	ug/kg dry	4082	ND	89.5	66.2-116			
2-Amino-4,6-dinitrotoluene	3310	200	ug/kg dry	4082	ND	81.1	26.4-130			
2-Nitrotoluene	3670	200	ug/kg dry	4082	ND	89.9	73.2-116			
3,4-Dinitrotoluene	3550	200	ug/kg dry	4082	ND	86.9	59.8-115			
3,5-Dinitroaniline	3070	200	ug/kg dry	4082	ND	75.2	31.2-124			
3,5-Dinitrotoluene	1730	200	ug/kg dry	2041	ND	84.7	69.5-111			
3-Nitrotoluene	3740	200	ug/kg dry	4082	ND	91.7	75.4-115			
4-Amino-2,6-dinitrotoluene	3080	200	ug/kg dry	4082	ND	75.4	20.6-139			
4-Nitrotoluene	3750	200	ug/kg dry	4082	ND	91.8	76.9-112			
Nitrobenzene	3590	200	ug/kg dry	4082	ND	88.1	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1730</i>		<i>ug/kg dry</i>	<i>1983</i>		<i>87.4</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg dry</i>	<i>2041</i>		<i>87.9</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010167 - EPA 3570

Matrix Spike Dup (A010167-MSD1)

Source: A204114-01

Prepared: 10/19/2020 Analyzed: 10/19/2020 22:13

1,2-Dimethyl-3,4-Dinitrobenzene	1700	200	ug/kg dry	2041	ND	83.1	67.1-109	5.50	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1580	200	ug/kg dry	2066	ND	76.6	68.4-108	5.09	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1760	200	ug/kg dry	2044	ND	86.1	72.5-113	2.52	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1630	200	ug/kg dry	2072	ND	78.5	64-114	5.01	20	
1,3,5-Trinitrobenzene	2800	200	ug/kg dry	4090	ND	68.6	10.7-145	12.9	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg dry	2066	ND	81.2	70.3-111	3.57	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1790	200	ug/kg dry	2047	ND	87.2	75.4-111	3.50	20	
1,3-Dinitrobenzene	3080	200	ug/kg dry	4090	ND	75.2	45.5-120	12.7	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg dry	2051	ND	82.7	65.1-109	1.90	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1700	200	ug/kg dry	2072	ND	82.1	68.4-110	3.27	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1720	200	ug/kg dry	2041	ND	84.3	69.5-110	3.61	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1620	200	ug/kg dry	2057	ND	78.6	67-109	4.50	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1660	200	ug/kg dry	2010	ND	82.4	64.6-113	5.74	20	
2,3-Dinitrotoluene	1720	200	ug/kg dry	2045	ND	83.9	61.7-112	0.743	20	
2,4,6-Trinitrotoluene	3150	200	ug/kg dry	4090	ND	77.1	27.1-169	13.8	20	
2,4-Dinitrotoluene	3070	200	ug/kg dry	4090	ND	75.1	57-126	11.4	20	
2,5-Dinitrotoluene	1600	200	ug/kg dry	2045	ND	78.0	64.6-108	5.45	20	
2,6-Dinitrotoluene	3340	200	ug/kg dry	4090	ND	81.8	66.2-116	8.88	20	
2-Amino-4,6-dinitrotoluene	2890	200	ug/kg dry	4090	ND	70.6	26.4-130	13.6	20	
2-Nitrotoluene	3480	200	ug/kg dry	4090	ND	85.2	73.2-116	5.21	20	
3,4-Dinitrotoluene	3340	200	ug/kg dry	4090	ND	81.7	59.8-115	6.03	20	
3,5-Dinitroaniline	2850	200	ug/kg dry	4090	ND	69.6	31.2-124	7.56	20	
3,5-Dinitrotoluene	1660	200	ug/kg dry	2045	ND	81.1	69.5-111	4.16	20	
3-Nitrotoluene	3500	200	ug/kg dry	4090	ND	85.6	75.4-115	6.75	20	
4-Amino-2,6-dinitrotoluene	2670	200	ug/kg dry	4090	ND	65.2	20.6-139	14.3	20	
4-Nitrotoluene	3490	200	ug/kg dry	4090	ND	85.2	76.9-112	7.28	20	
Nitrobenzene	3400	200	ug/kg dry	4090	ND	83.0	74-115	5.70	20	
Surrogate: 2,2'-Dinitrobiphenyl	1690		ug/kg dry	1987		85.1	10-150			
Surrogate: Nitrobenzene-d5	1820		ug/kg dry	2045		88.8	70-114			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010168 - EPA 3570

Blank (A010168-BLK1)

Prepared: 10/19/2020 Analyzed: 10/20/2020 18:06

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrophenyl</i>	<i>813</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>41.9</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1800</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.9</i>	<i>70-114</i>			

LCS (A010168-BS1)

Prepared: 10/19/2020 Analyzed: 10/20/2020 17:04

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg wet	1996		92.5	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1850	200	ug/kg wet	2020		91.4	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1740	200	ug/kg wet	1999		87.3	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1720	200	ug/kg wet	2026		84.7	72.5-113			
1,3,5-Trinitrobenzene	3290	200	ug/kg wet	4000		82.3	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg wet	2020		89.2	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002		93.5	81.2-108			
1,3-Dinitrobenzene	3570	200	ug/kg wet	4000		89.2	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006		89.6	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1740	200	ug/kg wet	2026		85.9	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1800	200	ug/kg wet	1996		90.0	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg wet	2012		87.4	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg wet	1966		85.6	75.5-106			
2,3-Dinitrotoluene	1710	200	ug/kg wet	2000		85.4	72.1-113			
2,4,6-Trinitrotoluene	3560	200	ug/kg wet	4000		88.9	65.6-124			
2,4-Dinitrotoluene	3630	200	ug/kg wet	4000		90.8	68.7-120			

AECOM
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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010168 - EPA 3570

LCS (A010168-BS1)

Prepared: 10/19/2020 Analyzed: 10/20/2020 17:04

2,5-Dinitrotoluene	1710	200	ug/kg wet	2000		85.6	70.5-109			
2,6-Dinitrotoluene	3670	200	ug/kg wet	4000		91.8	78.1-111			
2-Amino-4,6-dinitrotoluene	3590	200	ug/kg wet	4000		89.8	65.3-107			
2-Nitrotoluene	3720	200	ug/kg wet	4000		93.1	76.5-115			
3,4-Dinitrotoluene	3530	200	ug/kg wet	4000		88.3	72.6-111			
3,5-Dinitroaniline	3570	200	ug/kg wet	4000		89.3	63.8-110			
3,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.5	80.5-109			
3-Nitrotoluene	3810	200	ug/kg wet	4000		95.3	80-110			
4-Amino-2,6-dinitrotoluene	3570	200	ug/kg wet	4000		89.3	55.1-112			
4-Nitrotoluene	3800	200	ug/kg wet	4000		94.9	80.6-109			
Nitrobenzene	3480	200	ug/kg wet	4000		87.0	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1670</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>85.9</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1740</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>87.1</i>	<i>70-114</i>			

Matrix Spike (A010168-MS1)

Source: A204126-01

Prepared: 10/19/2020 Analyzed: 10/20/2020 16:01

1,2-Dimethyl-3,4-Dinitrobenzene	1840	200	ug/kg dry	2026	ND	90.9	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1840	200	ug/kg dry	2050	ND	89.9	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1790	200	ug/kg dry	2029	ND	88.1	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1730	200	ug/kg dry	2056	ND	84.3	64-114			
1,3,5-Trinitrobenzene	3410	200	ug/kg dry	4059	ND	84.1	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2050	ND	89.0	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg dry	2032	ND	93.2	75.4-111			
1,3-Dinitrobenzene	3740	200	ug/kg dry	4059	ND	92.3	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg dry	2036	ND	86.5	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg dry	2056	ND	87.3	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1810	200	ug/kg dry	2026	ND	89.5	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg dry	2042	ND	89.0	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1730	200	ug/kg dry	1995	ND	86.8	64.6-113			
2,3-Dinitrotoluene	1760	200	ug/kg dry	2030	ND	86.9	61.7-112			
2,4,6-Trinitrotoluene	3960	200	ug/kg dry	4059	148	93.9	27.1-169			
2,4-Dinitrotoluene	3650	200	ug/kg dry	4059	ND	89.9	57-126			
2,5-Dinitrotoluene	1790	200	ug/kg dry	2030	ND	88.1	64.6-108			
2,6-Dinitrotoluene	3710	200	ug/kg dry	4059	ND	91.4	66.2-116			
2-Amino-4,6-dinitrotoluene	3530	200	ug/kg dry	4059	ND	86.9	26.4-130			
2-Nitrotoluene	3770	200	ug/kg dry	4059	ND	92.8	73.2-116			
3,4-Dinitrotoluene	3540	200	ug/kg dry	4059	ND	87.2	59.8-115			
3,5-Dinitroaniline	3490	200	ug/kg dry	4059	ND	86.0	31.2-124			
3,5-Dinitrotoluene	1830	200	ug/kg dry	2030	ND	90.2	69.5-111			
3-Nitrotoluene	3930	200	ug/kg dry	4059	ND	96.8	75.4-115			
4-Amino-2,6-dinitrotoluene	3600	200	ug/kg dry	4059	155	84.9	20.6-139			
4-Nitrotoluene	3880	200	ug/kg dry	4059	ND	95.5	76.9-112			
Nitrobenzene	3530	200	ug/kg dry	4059	ND	87.0	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1710</i>		<i>ug/kg dry</i>	<i>1972</i>		<i>86.8</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg dry</i>	<i>2030</i>		<i>88.2</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010168 - EPA 3570

Matrix Spike Dup (A010168-MSD1)

Source: A204126-01

Prepared: 10/19/2020 Analyzed: 10/20/2020 15:30

1,2-Dimethyl-3,4-Dinitrobenzene	1780	200	ug/kg dry	2018	ND	88.4	67.1-109	3.22	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1780	200	ug/kg dry	2042	ND	87.4	68.4-108	3.22	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1710	200	ug/kg dry	2021	ND	84.6	72.5-113	4.51	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1650	200	ug/kg dry	2048	ND	80.8	64-114	4.63	20	
1,3,5-Trinitrobenzene	3180	200	ug/kg dry	4043	ND	78.5	10.7-145	7.20	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg dry	2042	ND	84.4	70.3-111	5.69	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2024	ND	90.0	75.4-111	3.87	20	
1,3-Dinitrobenzene	3500	200	ug/kg dry	4043	ND	86.5	45.5-120	6.89	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg dry	2028	ND	83.8	65.1-109	3.52	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1760	200	ug/kg dry	2048	ND	86.0	68.4-110	1.92	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1740	200	ug/kg dry	2018	ND	86.0	69.5-110	4.33	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1790	200	ug/kg dry	2034	ND	88.0	67-109	1.51	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg dry	1987	ND	84.5	64.6-113	3.06	20	
2,3-Dinitrotoluene	1700	200	ug/kg dry	2022	ND	84.0	61.7-112	3.77	20	
2,4,6-Trinitrotoluene	3680	200	ug/kg dry	4043	148	87.5	27.1-169	7.13	20	
2,4-Dinitrotoluene	3450	200	ug/kg dry	4043	ND	85.4	57-126	5.45	20	
2,5-Dinitrotoluene	1710	200	ug/kg dry	2022	ND	84.8	64.6-108	4.21	20	
2,6-Dinitrotoluene	3520	200	ug/kg dry	4043	ND	87.0	66.2-116	5.37	20	
2-Amino-4,6-dinitrotoluene	3180	200	ug/kg dry	4043	ND	78.7	26.4-130	10.4	20	
2-Nitrotoluene	3650	200	ug/kg dry	4043	ND	90.3	73.2-116	3.19	20	
3,4-Dinitrotoluene	3420	200	ug/kg dry	4043	ND	84.7	59.8-115	3.31	20	
3,5-Dinitroaniline	3140	200	ug/kg dry	4043	ND	77.8	31.2-124	10.5	20	
3,5-Dinitrotoluene	1790	200	ug/kg dry	2022	ND	88.6	69.5-111	2.16	20	
3-Nitrotoluene	3750	200	ug/kg dry	4043	ND	92.8	75.4-115	4.61	20	
4-Amino-2,6-dinitrotoluene	3200	200	ug/kg dry	4043	155	75.4	20.6-139	11.8	20	
4-Nitrotoluene	3730	200	ug/kg dry	4043	ND	92.2	76.9-112	3.99	20	
Nitrobenzene	3360	200	ug/kg dry	4043	ND	83.1	74-115	5.05	20	
Surrogate: 2,2'-Dinitrobiphenyl	1630		ug/kg dry	1964		83.0	10-150			
Surrogate: Nitrobenzene-d5	1760		ug/kg dry	2022		87.2	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010147 - % Solids

Duplicate (A010147-DUP1)	Source: A204106-01	Prepared: 10/14/2020	Analyzed: 10/15/2020 10:24		
% Solids	88.9	0.00 % by Weight	89.4	0.601	20

Batch A010148 - % Solids

Duplicate (A010148-DUP1)	Source: A204114-08	Prepared: 10/14/2020	Analyzed: 10/15/2020 10:28		
% Solids	98.4	0.00 % by Weight	98.3	0.0236	20

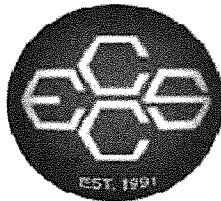
AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



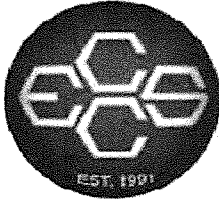
Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

A204114

FEDERAL 7717 1403 0250

CHAIN OF CUSTODY

Project Number: SITE INVESTIGATION, 60635957				Lab Work Order #: A204114				Mail Report To: Sharon Nordstrom						
Project Name: Barksdale				Preservation Codes				Company: AECOM						
Project Location: Barksdale, WI				Analyses Requested: A				Address: 4051 Ogletown Rd Newark, DE 19713						
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				Matrix	Total # of Containers	NNOCS						Invoice To:		
If Rush, Report Due Date:												Company: AECOM		Address:
Sampled By (Print): Desmond Nielsen & Eric Schmidt												E-mail Address: sharon.nordstrom@aecom.com		
Sample Description	Collection		Matrix	Total # of Containers	NNOCS							Comments	Lab ID	Lab Receipt Time
	Date	Time												
SITG-201005-024C (1-1.5)	10/5/2020	15:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		01	
SITG-201005-024W (0-1)	10/5/2020	15:15	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		02	
SITG-201005-024W (0-1)-D	10/5/2020	15:15	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		03	
SITG-201005-025C (1-1.5)	10/5/2020	15:20	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		04	
SITG-201005-025W (0-1)	10/5/2020	15:25	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		05	
SITG-201005-025S (0-1)	10/5/2020	15:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		06	
SITG-201005-026C (0.5-1)	10/5/2020	15:35	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		07	
SITG-201005-026S (0-0.5)	10/5/2020	15:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		08	
SITG-201005-027C (0.5-1)	10/5/2020	15:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		09	
SITG-201005-027W (0-0.5)	10/5/2020	15:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		10	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Date: 10/6/2020 Time: 09:00			Relinquished By: Date: Time:			Received By: <i>[Signature]</i> Date: 10/07/20 Time: 11:45		Received By: Date: Time:		
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact			Seal #s: 11/5		Shipped Via: FedEx		Receipt Temp: 3.9C Date: 10/19/20		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			

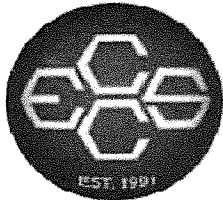


Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Federal 7717 1403 0250

Project Number: SITE INVESTIGATON				Lab Work Order #: A204114				Mail Report To: Sharon Nordstrom																																																																																																																																																																																								
Project Name: Barksdale				Preservation Codes				Company: AECOM																																																																																																																																																																																								
Project Location: Barksdale, WI				Analyses Requested: A				Address: 4051 Ogletown Rd Newark, DE 19713																																																																																																																																																																																								
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Sample Description</th> <th colspan="2">Collection</th> <th rowspan="2">Matrix</th> <th rowspan="2">Total # of Containers</th> <th rowspan="2">NNOCs</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2">Comments</th> <th rowspan="2">Lab ID</th> <th rowspan="2">Lab Receipt Time</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </table>				Sample Description	Collection		Matrix	Total # of Containers	NNOCs							Comments	Lab ID	Lab Receipt Time	Date	Time	E-mail Address: sharon.nordstrom@aecom.com																																																																																																																																																																							
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Sampled By (Print): Desmond Nielsen & Eric Schmidt				Address:				Address:																																																																																																																																																																																								
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Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)			Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*			Relinquished By: <i>[Signature]</i> Date: 10/6/2020 Time: 09:00		Received By: <i>[Signature]</i> Date: 10/07/20 Time: 11:45		Relinquished By: Date: Time:		Received By: Date: Time:		Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s: N/A		Shipped Via: FedEx		Receipt Temp: 3.9°C Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																																																																																																																																																																												



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 2525 Advance Road
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 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

FedEx 7717 1403 0250

Project Number: SITE INVESTIGATON, 60635957				Lab Work Order #: A204114				Mail Report To: Sharon Nordstrom									
Project Name: Barksdale				Preservation Codes				Company: AECOM									
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd									
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com									
If Rush, Report Due Date:				Matrix				Total # of Containers				Invoice To:					
Sampled By (Print): Desmond Nielsen & Eric Schmidt												Company: AECOM					
Sample Description				Collection		NNOCS				Comments				Lab ID		Lab Receipt Time	
				Date	Time									ID		Time	
SITG-201005-032S (0-1)				10/5/2020	16:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21			
SITG-201005-027Z (0-0.5)				10/5/2020	16:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22			
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						S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Relinquished By:		Date: 10/6/2020 Date:		Time: 0900 Time:		Received By: <i>[Signature]</i> Received By:		Date: 10/07/20 Date:		Time: 11:45 Time:			
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s: N/A		Shipped Via: FedEx		Receipt Temp: 3.9°C Date: 10/12/19/20		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

October 22, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/09/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAP Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-201006-033C-3-4	A204126-01	Soil	10/06/2020	10/09/2020
SITG-201006-033E-0-3.5	A204126-02	Soil	10/06/2020	10/09/2020
SITG-201006-033W-0.5-3	A204126-03	Soil	10/06/2020	10/09/2020
SITG-201006-034C-3-4	A204126-04	Soil	10/06/2020	10/09/2020
SITG-201006-034E-0-3.5	A204126-05	Soil	10/06/2020	10/09/2020
SITG-201006-034W-0.5-3	A204126-06	Soil	10/06/2020	10/09/2020
SITG-201006-035C-3-4	A204126-07	Soil	10/06/2020	10/09/2020
SITG-201006-035E-0-3.5	A204126-08	Soil	10/06/2020	10/09/2020
SITG-201006-035W-0.5-3	A204126-09	Soil	10/06/2020	10/09/2020
SITG-201006-036C-3-4	A204126-10	Soil	10/06/2020	10/09/2020
SITG-201006-036E-0-3.5	A204126-11	Soil	10/06/2020	10/09/2020
SITG-201006-036W-0.5-3	A204126-12	Soil	10/06/2020	10/09/2020
SITG-201006-033Z-0.5-4	A204126-13	Soil	10/06/2020	10/09/2020
SITG-201006-035Z-0.5-4	A204126-14	Soil	10/06/2020	10/09/2020
SITG-201007-037E-0-3.5	A204126-15	Soil	10/07/2020	10/09/2020
SITG-201007-037W-0-3	A204126-16	Soil	10/07/2020	10/09/2020
SITG-201007-038E-0-3.5	A204126-17	Soil	10/07/2020	10/09/2020
SITG-201007-038W-0-3	A204126-18	Soil	10/07/2020	10/09/2020
SITG-201007-039E-0-3.5	A204126-19	Soil	10/07/2020	10/09/2020
SITG-201007-039W-0-3	A204126-20	Soil	10/07/2020	10/09/2020
SITG-201007-040E-0-3.5	A204126-21	Soil	10/07/2020	10/09/2020
SITG-201007-040W-0-3	A204126-22	Soil	10/07/2020	10/09/2020
SITG-201007-041E-0-3.5	A204126-23	Soil	10/07/2020	10/09/2020
SITG-201007-041W-0-3	A204126-24	Soil	10/07/2020	10/09/2020
SITG-201007-037Z-0-4	A204126-25	Soil	10/07/2020	10/09/2020
SITG-201007-039Z-0-4	A204126-26	Soil	10/07/2020	10/09/2020
SITG-201007-040Z-0-4	A204126-27	Soil	10/07/2020	10/09/2020
SITG-201007-037C-3-4	A204126-28	Soil	10/07/2020	10/09/2020
SITG-201007-038C-3-4	A204126-29	Soil	10/07/2020	10/09/2020
SITG-201007-039C-3-4	A204126-30	Soil	10/07/2020	10/09/2020
SITG-201007-040C-3-4	A204126-31	Soil	10/07/2020	10/09/2020
SITG-201007-041C-3-4	A204126-32	Soil	10/07/2020	10/09/2020

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

CASE NARRATIVE

Sample Receipt Information:

32 samples were received on 10/09/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-033C-3-4

A204126-01 (Soil)

Date Sampled
10/06/2020 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 19:40	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 48.8 % 10-150 10/19/2020 10/20/2020 19:40 EPA 8270D

Surrogate: Nitrobenzene-d5 91.7 % 70-114 10/19/2020 10/20/2020 19:40 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.3	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-033E-0-3.5

Date Sampled

A204126-02 (Soil)

10/06/2020 15:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 20:11	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		47.6 %		10-150	10/19/2020	10/20/2020 20:11	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.7 %		70-114	10/19/2020	10/20/2020 20:11	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.0	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-033W-0.5-3

Date Sampled
10/06/2020 15:10

A204126-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 08:42	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.9 %		10-150	10/19/2020	10/21/2020 08:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.8 %		70-114	10/19/2020	10/21/2020 08:42	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	99.0	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-034C-3-4

Date Sampled

A204126-04 (Soil)

10/06/2020 15:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 09:13	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.6 %		10-150	10/19/2020	10/21/2020 09:13	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.3 %		70-114	10/19/2020	10/21/2020 09:13	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	99.1	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-034E-0-3.5

Date Sampled

A204126-05 (Soil)

10/06/2020 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
2,4,6-Trinitrotoluene	600	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		39.3 %		10-150	10/19/2020	10/20/2020 23:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.9 %		70-114	10/19/2020	10/20/2020 23:19	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	97.5	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-034W-0.5-3

Date Sampled
10/06/2020 15:25

A204126-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/20/2020 23:50	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		34.8 %		10-150	10/19/2020	10/20/2020 23:50	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.7 %		70-114	10/19/2020	10/20/2020 23:50	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.4	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-035C-3-4

Date Sampled

A204126-07 (Soil)

10/06/2020 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.8 %		10-150	10/19/2020	10/21/2020 00:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		70-114	10/19/2020	10/21/2020 00:22	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.0	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-035E-0-3.5

Date Sampled

A204126-08 (Soil)

10/06/2020 15:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 00:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		42.1 %		10-150	10/19/2020	10/21/2020 00:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.9 %		70-114	10/19/2020	10/21/2020 00:53	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.7	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-035W-0.5-3

Date Sampled

A204126-09 (Soil)

10/06/2020 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:24	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		32.5 %		10-150	10/19/2020	10/21/2020 01:24	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.1 %		70-114	10/19/2020	10/21/2020 01:24	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	97.6	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-036C-3-4

Date Sampled

A204126-10 (Soil)

10/06/2020 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 01:55	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		37.5 %		10-150	10/19/2020	10/21/2020 01:55	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.3 %		70-114	10/19/2020	10/21/2020 01:55	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.4	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-036E-0-3.5

Date Sampled

A204126-11 (Soil)

10/06/2020 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.4 %		10-150	10/19/2020	10/21/2020 02:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.1 %		70-114	10/19/2020	10/21/2020 02:26	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	99.2	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-036W-0.5-3

Date Sampled

A204126-12 (Soil)

10/06/2020 15:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 02:58	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.8 %		10-150	10/19/2020	10/21/2020 02:58	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.8 %		70-114	10/19/2020	10/21/2020 02:58	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.2	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-033Z-0.5-4

Date Sampled

A204126-13 (Soil)

10/06/2020 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
2,4,6-Trinitrotoluene	400	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 03:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.9 %		10-150	10/19/2020	10/21/2020 03:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.5 %		70-114	10/19/2020	10/21/2020 03:29	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.4	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201006-035Z-0.5-4

Date Sampled

A204126-14 (Soil)

10/06/2020 16:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.9 %		10-150	10/19/2020	10/21/2020 05:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		70-114	10/19/2020	10/21/2020 05:03	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.2	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-037E-0-3.5

Date Sampled

A204126-15 (Soil)

10/07/2020 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 05:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.4 %		10-150	10/19/2020	10/21/2020 05:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.4 %		70-114	10/19/2020	10/21/2020 05:34	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.2	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-037W-0-3

Date Sampled

A204126-16 (Soil)

10/07/2020 11:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:05	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.6 %		10-150	10/19/2020	10/21/2020 06:05	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.8 %		70-114	10/19/2020	10/21/2020 06:05	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	97.8	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-038E-0-3.5

Date Sampled

A204126-17 (Soil)

10/07/2020 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
2,4,6-Trinitrotoluene	200	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 06:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		39.4 %		10-150	10/19/2020	10/21/2020 06:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.8 %		70-114	10/19/2020	10/21/2020 06:37	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.0	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-038W-0-3

Date Sampled

A204126-18 (Soil)

10/07/2020 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010168

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/19/2020	10/21/2020 07:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		42.1 %		10-150	10/19/2020	10/21/2020 07:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.4 %		70-114	10/19/2020	10/21/2020 07:08	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	99.0	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-039E-0-3.5

Date Sampled

A204126-19 (Soil)

10/07/2020 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 20:38	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.9 %		10-150	10/20/2020	10/20/2020 20:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.8 %		70-114	10/20/2020	10/20/2020 20:38	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	97.7	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-039W-0-3

Date Sampled

A204126-20 (Soil)

10/07/2020 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.3 %		10-150	10/20/2020	10/20/2020 21:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.1 %		70-114	10/20/2020	10/20/2020 21:09	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010172

% Solids	98.5	0.00	% by Weight	1	10/19/2020	10/21/2020 09:58	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-040E-0-3.5

Date Sampled

A204126-21 (Soil)

10/07/2020 12:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 21:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.5 %		10-150	10/20/2020	10/20/2020 21:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.0 %		70-114	10/20/2020	10/20/2020 21:41	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	97.0	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-040W-0-3

Date Sampled

A204126-22 (Soil)

10/07/2020 12:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.1 %		10-150	10/20/2020	10/20/2020 22:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.4 %		70-114	10/20/2020	10/20/2020 22:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	97.5	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-041E-0-3.5

Date Sampled

A204126-23 (Soil)

10/07/2020 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
2,4,6-Trinitrotoluene	3900	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	290	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/20/2020 22:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.1 %		10-150	10/20/2020	10/20/2020 22:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.6 %		70-114	10/20/2020	10/20/2020 22:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.1	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-041W-0-3

Date Sampled

A204126-24 (Soil)

10/07/2020 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		58.6 %		10-150	10/20/2020	10/21/2020 00:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.3 %		70-114	10/20/2020	10/21/2020 00:19	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.8	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-037Z-0-4

Date Sampled
10/07/2020 12:25

A204126-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 00:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.9 %		10-150	10/20/2020	10/21/2020 00:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.1 %		70-114	10/20/2020	10/21/2020 00:51	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.6	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-039Z-0-4

Date Sampled
10/07/2020 12:30

A204126-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:23	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.1 %		10-150	10/20/2020	10/21/2020 01:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.9 %		70-114	10/20/2020	10/21/2020 01:23	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.2	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-040Z-0-4

Date Sampled

A204126-27 (Soil)

10/07/2020 12:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 01:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.4 %		10-150	10/20/2020	10/21/2020 01:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.1 %		70-114	10/20/2020	10/21/2020 01:54	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.3	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-037C-3-4

Date Sampled

A204126-28 (Soil)

10/07/2020 15:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.8 %		10-150	10/20/2020	10/21/2020 02:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.4 %		70-114	10/20/2020	10/21/2020 02:26	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.3	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-038C-3-4

Date Sampled

A204126-29 (Soil)

10/07/2020 15:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 02:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.1 %		10-150	10/20/2020	10/21/2020 02:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.2 %		70-114	10/20/2020	10/21/2020 02:57	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.0	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-039C-3-4

Date Sampled

A204126-30 (Soil)

10/07/2020 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 03:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.5 %		10-150	10/20/2020	10/21/2020 03:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.1 %		70-114	10/20/2020	10/21/2020 03:29	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.2	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-040C-3-4

Date Sampled

A204126-31 (Soil)

10/07/2020 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:01	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.5 %		10-150	10/20/2020	10/21/2020 04:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.2 %		70-114	10/20/2020	10/21/2020 04:01	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	97.9	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201007-041C-3-4

Date Sampled

A204126-32 (Soil)

10/07/2020 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010177

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/20/2020	10/21/2020 04:32	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.8 %		10-150	10/20/2020	10/21/2020 04:32	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.5 %		70-114	10/20/2020	10/21/2020 04:32	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010178

% Solids	98.1	0.00	% by Weight	1	10/20/2020	10/21/2020 10:03	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010168 - EPA 3570

Blank (A010168-BLK1)

Prepared: 10/19/2020 Analyzed: 10/20/2020 18:06

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

Surrogate: 2,2'-Dinitrobiphenyl	813		ug/kg wet	1943		41.9	10-150			
Surrogate: Nitrobenzene-d5	1800		ug/kg wet	2000		89.9	70-114			

LCS (A010168-BS1)

Prepared: 10/19/2020 Analyzed: 10/20/2020 17:04

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg wet	1996		92.5	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1850	200	ug/kg wet	2020		91.4	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1740	200	ug/kg wet	1999		87.3	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1720	200	ug/kg wet	2026		84.7	72.5-113			
1,3,5-Trinitrobenzene	3290	200	ug/kg wet	4000		82.3	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg wet	2020		89.2	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002		93.5	81.2-108			
1,3-Dinitrobenzene	3570	200	ug/kg wet	4000		89.2	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006		89.6	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1740	200	ug/kg wet	2026		85.9	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1800	200	ug/kg wet	1996		90.0	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg wet	2012		87.4	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg wet	1966		85.6	75.5-106			
2,3-Dinitrotoluene	1710	200	ug/kg wet	2000		85.4	72.1-113			
2,4,6-Trinitrotoluene	3560	200	ug/kg wet	4000		88.9	65.6-124			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010168 - EPA 3570

LCS (A010168-BS1)

Prepared: 10/19/2020 Analyzed: 10/20/2020 17:04

2,4-Dinitrotoluene	3630	200	ug/kg wet	4000		90.8	68.7-120			
2,5-Dinitrotoluene	1710	200	ug/kg wet	2000		85.6	70.5-109			
2,6-Dinitrotoluene	3670	200	ug/kg wet	4000		91.8	78.1-111			
2-Amino-4,6-dinitrotoluene	3590	200	ug/kg wet	4000		89.8	65.3-107			
2-Nitrotoluene	3720	200	ug/kg wet	4000		93.1	76.5-115			
3,4-Dinitrotoluene	3530	200	ug/kg wet	4000		88.3	72.6-111			
3,5-Dinitroaniline	3570	200	ug/kg wet	4000		89.3	63.8-110			
3,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.5	80.5-109			
3-Nitrotoluene	3810	200	ug/kg wet	4000		95.3	80-110			
4-Amino-2,6-dinitrotoluene	3570	200	ug/kg wet	4000		89.3	55.1-112			
4-Nitrotoluene	3800	200	ug/kg wet	4000		94.9	80.6-109			
Nitrobenzene	3480	200	ug/kg wet	4000		87.0	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1670</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>85.9</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1740</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>87.1</i>	<i>70-114</i>			

Matrix Spike (A010168-MS1)

Source: A204126-01

Prepared: 10/19/2020 Analyzed: 10/20/2020 16:01

1,2-Dimethyl-3,4-Dinitrobenzene	1840	200	ug/kg dry	2026	ND	90.9	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1840	200	ug/kg dry	2050	ND	89.9	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1790	200	ug/kg dry	2029	ND	88.1	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1730	200	ug/kg dry	2056	ND	84.3	64-114			
1,3,5-Trinitrobenzene	3410	200	ug/kg dry	4059	ND	84.1	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2050	ND	89.0	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg dry	2032	ND	93.2	75.4-111			
1,3-Dinitrobenzene	3740	200	ug/kg dry	4059	ND	92.3	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg dry	2036	ND	86.5	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg dry	2056	ND	87.3	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1810	200	ug/kg dry	2026	ND	89.5	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg dry	2042	ND	89.0	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1730	200	ug/kg dry	1995	ND	86.8	64.6-113			
2,3-Dinitrotoluene	1760	200	ug/kg dry	2030	ND	86.9	61.7-112			
2,4,6-Trinitrotoluene	3960	200	ug/kg dry	4059	148	93.9	27.1-169			
2,4-Dinitrotoluene	3650	200	ug/kg dry	4059	ND	89.9	57-126			
2,5-Dinitrotoluene	1790	200	ug/kg dry	2030	ND	88.1	64.6-108			
2,6-Dinitrotoluene	3710	200	ug/kg dry	4059	ND	91.4	66.2-116			
2-Amino-4,6-dinitrotoluene	3530	200	ug/kg dry	4059	ND	86.9	26.4-130			
2-Nitrotoluene	3770	200	ug/kg dry	4059	ND	92.8	73.2-116			
3,4-Dinitrotoluene	3540	200	ug/kg dry	4059	ND	87.2	59.8-115			
3,5-Dinitroaniline	3490	200	ug/kg dry	4059	ND	86.0	31.2-124			
3,5-Dinitrotoluene	1830	200	ug/kg dry	2030	ND	90.2	69.5-111			
3-Nitrotoluene	3930	200	ug/kg dry	4059	ND	96.8	75.4-115			
4-Amino-2,6-dinitrotoluene	3600	200	ug/kg dry	4059	155	84.9	20.6-139			
4-Nitrotoluene	3880	200	ug/kg dry	4059	ND	95.5	76.9-112			
Nitrobenzene	3530	200	ug/kg dry	4059	ND	87.0	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1710</i>		<i>ug/kg dry</i>	<i>1972</i>		<i>86.8</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg dry</i>	<i>2030</i>		<i>88.2</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010168 - EPA 3570

Matrix Spike Dup (A010168-MSD1)

Source: A204126-01

Prepared: 10/19/2020 Analyzed: 10/20/2020 15:30

1,2-Dimethyl-3,4-Dinitrobenzene	1780	200	ug/kg dry	2018	ND	88.4	67.1-109	3.22	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1780	200	ug/kg dry	2042	ND	87.4	68.4-108	3.22	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1710	200	ug/kg dry	2021	ND	84.6	72.5-113	4.51	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1650	200	ug/kg dry	2048	ND	80.8	64-114	4.63	20	
1,3,5-Trinitrobenzene	3180	200	ug/kg dry	4043	ND	78.5	10.7-145	7.20	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg dry	2042	ND	84.4	70.3-111	5.69	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2024	ND	90.0	75.4-111	3.87	20	
1,3-Dinitrobenzene	3500	200	ug/kg dry	4043	ND	86.5	45.5-120	6.89	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg dry	2028	ND	83.8	65.1-109	3.52	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1760	200	ug/kg dry	2048	ND	86.0	68.4-110	1.92	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1740	200	ug/kg dry	2018	ND	86.0	69.5-110	4.33	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1790	200	ug/kg dry	2034	ND	88.0	67-109	1.51	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg dry	1987	ND	84.5	64.6-113	3.06	20	
2,3-Dinitrotoluene	1700	200	ug/kg dry	2022	ND	84.0	61.7-112	3.77	20	
2,4,6-Trinitrotoluene	3680	200	ug/kg dry	4043	148	87.5	27.1-169	7.13	20	
2,4-Dinitrotoluene	3450	200	ug/kg dry	4043	ND	85.4	57-126	5.45	20	
2,5-Dinitrotoluene	1710	200	ug/kg dry	2022	ND	84.8	64.6-108	4.21	20	
2,6-Dinitrotoluene	3520	200	ug/kg dry	4043	ND	87.0	66.2-116	5.37	20	
2-Amino-4,6-dinitrotoluene	3180	200	ug/kg dry	4043	ND	78.7	26.4-130	10.4	20	
2-Nitrotoluene	3650	200	ug/kg dry	4043	ND	90.3	73.2-116	3.19	20	
3,4-Dinitrotoluene	3420	200	ug/kg dry	4043	ND	84.7	59.8-115	3.31	20	
3,5-Dinitroaniline	3140	200	ug/kg dry	4043	ND	77.8	31.2-124	10.5	20	
3,5-Dinitrotoluene	1790	200	ug/kg dry	2022	ND	88.6	69.5-111	2.16	20	
3-Nitrotoluene	3750	200	ug/kg dry	4043	ND	92.8	75.4-115	4.61	20	
4-Amino-2,6-dinitrotoluene	3200	200	ug/kg dry	4043	155	75.4	20.6-139	11.8	20	
4-Nitrotoluene	3730	200	ug/kg dry	4043	ND	92.2	76.9-112	3.99	20	
Nitrobenzene	3360	200	ug/kg dry	4043	ND	83.1	74-115	5.05	20	
Surrogate: 2,2'-Dinitrobiphenyl	1630		ug/kg dry	1964		83.0	10-150			
Surrogate: Nitrobenzene-d5	1760		ug/kg dry	2022		87.2	70-114			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
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Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010177 - EPA 3570

Blank (A010177-BLK1)

Prepared: 10/20/2020 Analyzed: 10/20/2020 18:00

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrophenyl</i>	963		ug/kg wet	1943		49.6	10-150			
<i>Surrogate: Nitrobenzene-d5</i>	1840		ug/kg wet	2000		92.2	70-114			

LCS (A010177-BS1)

Prepared: 10/20/2020 Analyzed: 10/20/2020 18:31

1,2-Dimethyl-3,4-Dinitrobenzene	1740	200	ug/kg wet	1996		87.2	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1680	200	ug/kg wet	2020		83.0	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1850	200	ug/kg wet	1999		92.6	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1850	200	ug/kg wet	2026		91.5	72.5-113			
1,3,5-Trinitrobenzene	1400	200	ug/kg wet	2000		69.8	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg wet	2020		87.9	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2002		92.6	81.2-108			
1,3-Dinitrobenzene	1610	200	ug/kg wet	2000		80.6	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006		89.8	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1780	200	ug/kg wet	2026		87.7	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1790	200	ug/kg wet	1996		89.7	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1720	200	ug/kg wet	2012		85.7	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg wet	1966		90.2	75.5-106			
2,3-Dinitrotoluene	1880	200	ug/kg wet	2000		93.9	72.1-113			
2,4,6-Trinitrotoluene	1590	200	ug/kg wet	2000		79.4	65.6-124			
2,4-Dinitrotoluene	1680	200	ug/kg wet	2000		83.8	68.7-120			

AECOM
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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010177 - EPA 3570

LCS (A010177-BS1)

Prepared: 10/20/2020 Analyzed: 10/20/2020 18:31

2,5-Dinitrotoluene	1680	200	ug/kg wet	2000		83.8	70.5-109			
2,6-Dinitrotoluene	1790	200	ug/kg wet	2000		89.5	78.1-111			
2-Amino-4,6-dinitrotoluene	1550	200	ug/kg wet	2000		77.5	65.3-107			
2-Nitrotoluene	1930	200	ug/kg wet	2000		96.7	76.5-115			
3,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.5	72.6-111			
3,5-Dinitroaniline	1460	200	ug/kg wet	2000		73.2	63.8-110			
3,5-Dinitrotoluene	1700	200	ug/kg wet	2000		85.0	80.5-109			
3-Nitrotoluene	1800	200	ug/kg wet	2000		89.8	80-110			
4-Amino-2,6-dinitrotoluene	1530	200	ug/kg wet	2000		76.5	55.1-112			
4-Nitrotoluene	1780	200	ug/kg wet	2000		89.1	80.6-109			
Nitrobenzene	1950	200	ug/kg wet	2000		97.7	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1760</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>90.7</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1930</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>96.3</i>	<i>70-114</i>			

Matrix Spike (A010177-MS1)

Source: A204126-32

Prepared: 10/20/2020 Analyzed: 10/20/2020 19:35

1,2-Dimethyl-3,4-Dinitrobenzene	1740	200	ug/kg dry	2010	ND	86.3	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1720	200	ug/kg dry	2034	ND	84.8	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1910	200	ug/kg dry	2013	ND	94.7	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1850	200	ug/kg dry	2041	ND	90.5	64-114			
1,3,5-Trinitrobenzene	1360	200	ug/kg dry	2014	ND	67.7	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg dry	2034	ND	90.7	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg dry	2016	ND	94.9	75.4-111			
1,3-Dinitrobenzene	1560	200	ug/kg dry	2014	ND	77.6	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg dry	2020	ND	90.0	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg dry	2041	ND	91.0	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1880	200	ug/kg dry	2010	ND	93.8	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1740	200	ug/kg dry	2026	ND	86.0	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1860	200	ug/kg dry	1980	ND	94.0	64.6-113			
2,3-Dinitrotoluene	1830	200	ug/kg dry	2014	ND	90.7	61.7-112			
2,4,6-Trinitrotoluene	1600	200	ug/kg dry	2014	ND	79.3	27.1-169			
2,4-Dinitrotoluene	1690	200	ug/kg dry	2014	ND	83.8	57-126			
2,5-Dinitrotoluene	1720	200	ug/kg dry	2014	ND	85.3	64.6-108			
2,6-Dinitrotoluene	1790	200	ug/kg dry	2014	ND	89.1	66.2-116			
2-Amino-4,6-dinitrotoluene	1360	200	ug/kg dry	2014	ND	67.5	26.4-130			
2-Nitrotoluene	2000	200	ug/kg dry	2014	ND	99.5	73.2-116			
3,4-Dinitrotoluene	1800	200	ug/kg dry	2014	ND	89.4	59.8-115			
3,5-Dinitroaniline	1310	200	ug/kg dry	2014	ND	65.2	31.2-124			
3,5-Dinitrotoluene	1790	200	ug/kg dry	2014	ND	88.8	69.5-111			
3-Nitrotoluene	1880	200	ug/kg dry	2014	ND	93.2	75.4-115			
4-Amino-2,6-dinitrotoluene	1310	200	ug/kg dry	2014	ND	65.1	20.6-139			
4-Nitrotoluene	1850	200	ug/kg dry	2014	ND	92.1	76.9-112			
Nitrobenzene	1970	200	ug/kg dry	2014	ND	98.0	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1750</i>		<i>ug/kg dry</i>	<i>1957</i>		<i>89.5</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1970</i>		<i>ug/kg dry</i>	<i>2014</i>		<i>97.9</i>	<i>70-114</i>			

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Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010177 - EPA 3570

Matrix Spike Dup (A010177-MSD1)

Source: A204126-32

Prepared: 10/20/2020 Analyzed: 10/20/2020 20:06

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg dry	2026	ND	88.3	67.1-109	3.03	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1780	200	ug/kg dry	2051	ND	87.0	68.4-108	3.40	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1930	200	ug/kg dry	2029	ND	95.2	72.5-113	1.28	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1840	200	ug/kg dry	2057	ND	89.7	64-114	0.0853	20	
1,3,5-Trinitrobenzene	1470	200	ug/kg dry	2030	ND	72.2	10.7-145	7.22	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg dry	2051	ND	91.4	70.3-111	1.56	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg dry	2032	ND	95.3	75.4-111	1.26	20	
1,3-Dinitrobenzene	1670	200	ug/kg dry	2030	ND	82.3	45.5-120	6.67	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg dry	2036	ND	89.4	65.1-109	0.208	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg dry	2057	ND	91.2	68.4-110	1.06	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg dry	2026	ND	93.5	69.5-110	0.518	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1790	200	ug/kg dry	2043	ND	87.6	67-109	2.64	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg dry	1996	ND	93.9	64.6-113	0.722	20	
2,3-Dinitrotoluene	1840	200	ug/kg dry	2030	ND	90.8	61.7-112	0.838	20	
2,4,6-Trinitrotoluene	1710	200	ug/kg dry	2030	ND	84.0	27.1-169	6.61	20	
2,4-Dinitrotoluene	1770	200	ug/kg dry	2030	ND	87.4	57-126	4.99	20	
2,5-Dinitrotoluene	1780	200	ug/kg dry	2030	ND	87.9	64.6-108	3.80	20	
2,6-Dinitrotoluene	1860	200	ug/kg dry	2030	ND	91.4	66.2-116	3.37	20	
2-Amino-4,6-dinitrotoluene	1400	200	ug/kg dry	2030	ND	69.1	26.4-130	3.15	20	
2-Nitrotoluene	2030	200	ug/kg dry	2030	ND	99.9	73.2-116	1.22	20	
3,4-Dinitrotoluene	1850	200	ug/kg dry	2030	ND	91.3	59.8-115	2.90	20	
3,5-Dinitroaniline	1360	200	ug/kg dry	2030	ND	67.1	31.2-124	3.77	20	
3,5-Dinitrotoluene	1810	200	ug/kg dry	2030	ND	88.9	69.5-111	0.916	20	
3-Nitrotoluene	1940	200	ug/kg dry	2030	ND	95.3	75.4-115	3.00	20	
4-Amino-2,6-dinitrotoluene	1380	200	ug/kg dry	2030	ND	68.0	20.6-139	5.15	20	
4-Nitrotoluene	1900	200	ug/kg dry	2030	ND	93.7	76.9-112	2.61	20	
Nitrobenzene	2020	200	ug/kg dry	2030	ND	99.4	74-115	2.23	20	
Surrogate: 2,2'-Dinitrobiphenyl	1740		ug/kg dry	1973		88.2	10-150			
Surrogate: Nitrobenzene-d5	2020		ug/kg dry	2030		99.3	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010172 - % Solids

Duplicate (A010172-DUP1)	Source: A204126-01	Prepared: 10/19/2020	Analyzed: 10/21/2020 09:58		
% Solids	98.4	0.00 % by Weight	98.3	0.0140	20

Batch A010178 - % Solids

Duplicate (A010178-DUP1)	Source: A204126-21	Prepared: 10/20/2020	Analyzed: 10/21/2020 10:03		
% Solids	97.0	0.00 % by Weight	97.0	0.0298	20

AECOM
4051 Ogletown Road
Newark DE, 19713

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Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

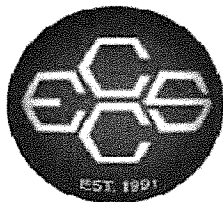
ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).

NR Not Reported

dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.

RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.

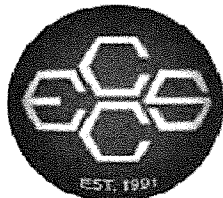


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CHAIN OF CUSTODY

FedEx 7717 3317 1020

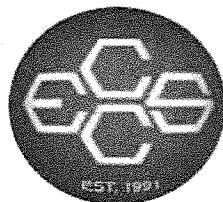
Lab Work Order #: A204126				Mail Report To: Sharon Nordstrom			
Preservation Codes				Company: AECOM			
Analyses Requested				Address: 4051 Ogletown Rd Newark, DE 19713			
Project Number: SITE INVESTIGATION, 60635957				E-mail Address: sharon.nordstrom@aecom.com			
Project Name: Barksdale				Invoice To:			
Project Location: Barksdale, WI				Company: AECOM			
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				Address:			
If Rush, Report Due Date:				Comments			
Sampled By (Print): Desmond Nielsen & Eric Schmidt				Lab ID		Lab Receipt Time	
Sample Description		Collection Date Time		Matrix	Total # of Containers	NNOCS	
SITG-201006-033C (3-4)	10/6/2020	15:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-033E (0-3.5)	10/6/2020	15:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-033W (0.5-3)	10/6/2020	15:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-034C (3-4)	10/6/2020	15:15	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-034E (0-3.5)	10/6/2020	15:20	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-034W (0.5-3)	10/6/2020	15:25	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-035C (3-4)	10/6/2020	15:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-035E (0-3.5)	10/6/2020	15:35	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-035W (0.5-3)	10/6/2020	15:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITG-201006-036C (3-4)	10/6/2020	15:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x <i>*must be pre-arranged*</i>		Relinquished By: <i>[Signature]</i> Date: 10/8/20 Time: 10:00		Received By: <i>[Signature]</i> Date: 10/9/20 Time: 15:15	
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s:		Shipped Via: FedEx Receipt Temp: 5.8 °C Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

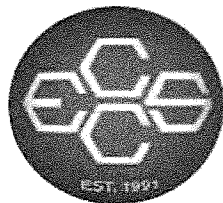
Project Number: SITE INVESTIGATION, 60635957				Lab Work Order #: A204124				Mail Report To: Sharon Nordstrom					
Project Name: Barksdale				Preservation Codes				Company: AECOM					
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd					
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com					
If Rush, Report Due Date:				Matrix				Invoice To:					
Sampled By (Print): Desmond Nielsen & Eric Schmidt								Company: AECOM					
Sample Description				Collection		Total # of Containers				Comments			
				Date	Time								
SITG-201006-036E (0-3.5)		10/6/2020	15:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		11	
SITG-201006-036W (0.5-3)		10/6/2020	15:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		12	
SITG-201006-033Z (0.5-4)		10/6/2020	16:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		13	
SITG-201006-035Z (0.5-4)		10/6/2020	16:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		14	
SITG-201007-037E (0-3.5)		10/7/2020	11:30	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		15	
SITG-201007-037W (0-3)		10/7/2020	11:35	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		16	
SITG-201007-038E (0-3.5)		10/7/2020	11:40	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		17	
SITG-201007-038W (0-3)		10/7/2020	11:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		18	
SITG-201007-039E (0-3.5)		10/7/2020	11:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		19	
SITG-201007-039W (0-3)		10/7/2020	12:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		20	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i>		Date: 10/8/20	Time: 10:00	Received By: <i>[Signature]</i>		Date: 10-09-20	Time: 15:15		
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By:		Date:	Time:	Received By:		Date:	Time:		
Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s:		Shipped Via: FedEx		Receipt Temp: 5.8 °C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			



Environmental Chemistry Consulting Services, Inc.
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 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: SITE INVESTIGATION, 60635957				Lab Work Order #: A204126				Mail Report To: Sharon Nordstrom									
Project Name: Barksdale				Preservation Codes				Company: AECOM									
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd									
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				E-mail Address: sharon.nordstrom@aecom.com									
If Rush, Report Due Date:				Matrix				Total # of Containers				Invoice To:					
Sampled By (Print): Desmond Nielsen & Eric Schmidt												Company: AECOM					
Sample Description				Collection		NNOCS				Comments				Lab ID		Lab Receipt Time	
				Date										Time		Lab ID	
SITG-201007-040E (0-3.5)				10/7/2020		12:05		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				21					
SITG-201007-040W (0-3)				10/7/2020		12:10		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				22					
SITG-201007-041E (0-3.5)				10/7/2020		12:15		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				23					
SITG-201007-041W (0-3)				10/7/2020		12:20		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				24					
SITG-201007-037Z (0-4)				10/7/2020		12:25		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				25					
SITG-201007-039Z (0-4)				10/7/2020		12:30		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				26					
SITG-201007-040Z (0-4)				10/7/2020		12:35		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				27					
SITG-201007-037C (3-4)				10/7/2020		15:30		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				28					
SITG-201007-038C (3-4)				10/7/2020		15:35		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				29					
SITG-201007-039C (3-4)				10/7/2020		15:40		S 1 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				30					
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Date: 10/8/20 Time: 1000				Received By: <i>[Signature]</i> Date: 10-09-20 Time: 1515									
Matrix Codes A=Air S=Soil W=Water O=Other		Relinquished By: _____ Date: _____ Time: _____				Received By: _____ Date: _____ Time: _____											
Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s: _____				Shipped Via: Fed Ex		Receipt Temp: 5.8°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					



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 608-221-8700 (phone)
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CHAIN OF CUSTODY

Project Number: SITE INVESTIGATION, 60635957				Lab Work Order #: A204126				Mail Report To: Sharon Nordstrom							
Project Name: Barksdale				Preservation Codes				Company: AECOM							
Project Location: Barksdale, WI				Analyses Requested: A				Address: 4051 Ogletown Rd Newark, DE 19713							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				Matrix	Total # of Containers	NNOCS					Invoice To:				
If Rush, Report Due Date:											Company: AECOM				
Sampled By (Print): Desmond Nielsen & Eric Schmidt											Address:				
Sample Description				Date	Time	Matrix	Total # of Containers	NNOCS				Comments	Lab ID	Lab Receipt Time	
SITG-201007-040C (3-4)															10/7/2020
SITG-201007-041C (3-4)				10/7/2020	15:50	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	32	
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*				Relinquished By: <i>[Signature]</i>		Date: 10/8/20	Time: 10:00	Received By: <i>[Signature]</i>		Date: 10/8/20	Time: 15:15
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s:		Shipped Via: FedEx		Receipt Temp: 5.8°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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November 05, 2020

Sharon Nordstrom
AECOM
4051 Ogletown Road
Newark, DE 19713
RE: Site Investigation - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/22/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2021

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-200921-014W-0-2	A204318-01	Soil	09/21/2020	10/22/2020
SITG-200929-016W-0-2.5	A204318-02	Soil	09/29/2020	10/22/2020
SITG-200930-020W-0-1	A204318-03	Soil	09/30/2020	10/22/2020
SITG-200930-023W-0-1	A204318-04	Soil	09/30/2020	10/22/2020
SITG-201008-042C-3-4.5	A204318-05	Soil	10/08/2020	10/22/2020
SITG-201008-042C-3-4.5-D	A204318-06	Soil	10/08/2020	10/22/2020
SITG-201008-042E-0-4	A204318-07	Soil	10/08/2020	10/22/2020
SITG-201008-042W-0-3	A204318-08	Soil	10/08/2020	10/22/2020
SITG-201015-043C-0.2-0.5	A204318-09	Soil	10/15/2020	10/22/2020
SITG-201015-044C-0.2-0.5	A204318-10	Soil	10/15/2020	10/22/2020
SITG-201015-045C-0.2-0.5	A204318-11	Soil	10/15/2020	10/22/2020
SITG-201015-046C-0.2-0.5	A204318-12	Soil	10/15/2020	10/22/2020
SITG-201015-047X-0-0.5	A204318-13	Soil	10/15/2020	10/22/2020
SITG-201015-048X-0-0.5	A204318-14	Soil	10/15/2020	10/22/2020
SITG-201015-049X-0-0.5	A204318-15	Soil	10/15/2020	10/22/2020
SITG-201015-049X-0-0.5-D	A204318-16	Soil	10/15/2020	10/22/2020
SITG-201015-050X-0-0.5	A204318-17	Soil	10/15/2020	10/22/2020
SITG-201015-051X-0-0.5	A204318-18	Soil	10/15/2020	10/22/2020
SITG-201015-052X-0-0.5	A204318-19	Soil	10/15/2020	10/22/2020
SITG-201015-053X-0-0.5	A204318-20	Soil	10/15/2020	10/22/2020
SITG-201015-054X-0-0.5	A204318-21	Soil	10/15/2020	10/22/2020

CASE NARRATIVE

Sample Receipt Information:

21 samples were received on 10/22/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

Laboratory Control Samples (LCS):

The E1 footnote on multiple samples indicates that there were quality control sample exceedances for 1,5-Dimethyl-2,3-Dinitrobenzene. The LCS recovery was below acceptable limits. Please see the quality control section of the report for more information.

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200921-014W-0-2
A204318-01 (Soil)

Date Sampled
09/21/2020 16:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
2,4,6-Trinitrotoluene	240	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 20:29	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 38.3 % 10-150 10/29/2020 10/30/2020 20:29 EPA 8270D

Surrogate: Nitrobenzene-d5 97.8 % 70-114 10/29/2020 10/30/2020 20:29 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.9	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200929-016W-0-2.5

Date Sampled

A204318-02 (Soil)

09/29/2020 16:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.6 %		10-150	10/29/2020	10/30/2020 21:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.9 %		70-114	10/29/2020	10/30/2020 21:00	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.1	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-020W-0-1

Date Sampled

A204318-03 (Soil)

09/30/2020 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 21:32	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.9 %		10-150	10/29/2020	10/30/2020 21:32	EPA 8270D	
Surrogate: Nitrobenzene-d5		103 %		70-114	10/29/2020	10/30/2020 21:32	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.8	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-200930-023W-0-1

Date Sampled

A204318-04 (Soil)

09/30/2020 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		45.8 %		10-150	10/29/2020	10/30/2020 22:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.6 %		70-114	10/29/2020	10/30/2020 22:04	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.3	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201008-042C-3-4.5

Date Sampled

A204318-05 (Soil)

10/08/2020 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
2,4,6-Trinitrotoluene	560	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	250	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/30/2020 22:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.6 %		10-150	10/29/2020	10/30/2020 22:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.3 %		70-114	10/29/2020	10/30/2020 22:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.7	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201008-042C-3-4.5-D

Date Sampled
10/08/2020 10:55

A204318-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,3,5-Trinitrobenzene	290	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
2,4,6-Trinitrotoluene	640	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	280	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	250	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 00:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		47.0 %		10-150	10/29/2020	10/31/2020 00:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.8 %		70-114	10/29/2020	10/31/2020 00:41	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.8	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201008-042E-0-4

Date Sampled

A204318-07 (Soil)

10/08/2020 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
2,4,6-Trinitrotoluene	250000	20000	ug/kg dry	100	10/29/2020	10/31/2020 01:44	EPA 8270D	D
2,4-Dinitrotoluene	250	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	3500	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1800	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 01:13	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.9 %		10-150	10/29/2020	10/31/2020 01:13	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.5 %		70-114	10/29/2020	10/31/2020 01:13	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.9	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201008-042W-0-3

Date Sampled

A204318-08 (Soil)

10/08/2020 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:16	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		40.3 %		10-150	10/29/2020	10/31/2020 02:16	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.8 %		70-114	10/29/2020	10/31/2020 02:16	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.7	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-043C-0.2-0.5

A204318-09 (Soil)

Date Sampled
10/15/2020 08:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
2,4,6-Trinitrotoluene	1400	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	240	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	330	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 02:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.9 %		10-150	10/29/2020	10/31/2020 02:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.6 %		70-114	10/29/2020	10/31/2020 02:48	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.2	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-044C-0.2-0.5

A204318-10 (Soil)

Date Sampled
10/15/2020 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
2,4,6-Trinitrotoluene	2500	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	220	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.7 %		10-150	10/29/2020	10/31/2020 03:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.7 %		70-114	10/29/2020	10/31/2020 03:20	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.9	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-045C-0.2-0.5

A204318-11 (Soil)

Date Sampled

10/15/2020 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
2,4,6-Trinitrotoluene	4300	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	340	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	550	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 03:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.8 %		10-150	10/29/2020	10/31/2020 03:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		70-114	10/29/2020	10/31/2020 03:51	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.0	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-046C-0.2-0.5

Date Sampled
10/15/2020 09:10

A204318-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
2,4,6-Trinitrotoluene	5800	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	320	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	560	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:23	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		57.0 %		10-150	10/29/2020	10/31/2020 04:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.5 %		70-114	10/29/2020	10/31/2020 04:23	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.9	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-047X-0-0.5

Date Sampled

A204318-13 (Soil)

10/15/2020 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 04:55	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.1 %		10-150	10/29/2020	10/31/2020 04:55	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.8 %		70-114	10/29/2020	10/31/2020 04:55	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.2	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-048X-0-0.5

Date Sampled

A204318-14 (Soil)

10/15/2020 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.0 %		10-150	10/29/2020	10/31/2020 05:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.6 %		70-114	10/29/2020	10/31/2020 05:26	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.6	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-049X-0-0.5

Date Sampled

A204318-15 (Soil)

10/15/2020 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 05:58	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.6 %		10-150	10/29/2020	10/31/2020 05:58	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.2 %		70-114	10/29/2020	10/31/2020 05:58	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.2	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-049X-0-0.5-D

Date Sampled

A204318-16 (Soil)

10/15/2020 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
2,4,6-Trinitrotoluene	840	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 07:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		60.8 %		10-150	10/29/2020	10/31/2020 07:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.1 %		70-114	10/29/2020	10/31/2020 07:33	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.3	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-050X-0-0.5

Date Sampled

A204318-17 (Soil)

10/15/2020 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
2,4,6-Trinitrotoluene	24000	790	ug/kg dry	4	10/29/2020	11/02/2020 12:56	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	390	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	530	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.7 %		10-150	10/29/2020	10/31/2020 08:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.7 %		70-114	10/29/2020	10/31/2020 08:04	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.3	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-051X-0-0.5

Date Sampled

A204318-18 (Soil)

10/15/2020 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
2,4,6-Trinitrotoluene	2100	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	210	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 08:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		59.1 %		10-150	10/29/2020	10/31/2020 08:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.8 %		70-114	10/29/2020	10/31/2020 08:36	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.0	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-052X-0-0.5

Date Sampled

A204318-19 (Soil)

10/15/2020 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
2,4,6-Trinitrotoluene	1900	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	490	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		60.4 %		10-150	10/29/2020	10/31/2020 09:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.9 %		70-114	10/29/2020	10/31/2020 09:08	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	98.0	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-053X-0-0.5

Date Sampled

A204318-20 (Soil)

10/15/2020 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010217

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	E1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
2,4,6-Trinitrotoluene	9400	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	M
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	230	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	260	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/29/2020	10/31/2020 09:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.8 %		10-150	10/29/2020	10/31/2020 09:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.2 %		70-114	10/29/2020	10/31/2020 09:39	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010230

% Solids	97.8	0.00	% by Weight	1	10/29/2020	10/30/2020 13:24	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

SITG-201015-054X-0-0.5

Date Sampled

A204318-21 (Soil)

10/15/2020 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical - Madison

Explosive Compounds by EPA Method 8270

Preparation Batch: A010218

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
2,4,6-Trinitrotoluene	560	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/28/2020	10/30/2020 20:59	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.8 %		10-150	10/28/2020	10/30/2020 20:59	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.3 %		70-114	10/28/2020	10/30/2020 20:59	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A010231

% Solids	98.2	0.00	% by Weight	1	10/29/2020	10/30/2020 13:28	SM 2540B	
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AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010217 - EPA 3570

Blank (A010217-BLK1)

Prepared: 10/29/2020 Analyzed: 10/30/2020 19:57

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							

Surrogate: 2,2'-Dinitrobiphenyl	883		ug/kg wet	1943		45.5	10-150			
Surrogate: Nitrobenzene-d5	1910		ug/kg wet	2000		95.7	70-114			

LCS (A010217-BS1)

Prepared: 10/29/2020 Analyzed: 10/30/2020 17:50

1,2-Dimethyl-3,4-Dinitrobenzene	1650	200	ug/kg wet	1996		82.8	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1620	200	ug/kg wet	2020		80.3	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999		94.4	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1660	200	ug/kg wet	2026		81.8	72.5-113			
1,3,5-Trinitrobenzene	1480	200	ug/kg wet	2000		74.1	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg wet	2020		85.3	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002		93.4	81.2-108			
1,3-Dinitrobenzene	1630	200	ug/kg wet	2000		81.5	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006		89.8	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg wet	2026		89.0	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1740	200	ug/kg wet	1996		86.9	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1570	200	ug/kg wet	2012		78.1	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg wet	1966		87.3	75.5-106			
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000		90.2	72.1-113			
2,4,6-Trinitrotoluene	1600	200	ug/kg wet	2000		80.2	65.6-124			

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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010217 - EPA 3570

LCS (A010217-BS1)

Prepared: 10/29/2020 Analyzed: 10/30/2020 17:50

2,4-Dinitrotoluene	1650	200	ug/kg wet	2000		82.3	68.7-120			
2,5-Dinitrotoluene	1690	200	ug/kg wet	2000		84.7	70.5-109			
2,6-Dinitrotoluene	1710	200	ug/kg wet	2000		85.6	78.1-111			
2-Amino-4,6-dinitrotoluene	1310	200	ug/kg wet	2000		65.4	65.3-107			
2-Nitrotoluene	1870	200	ug/kg wet	2000		93.3	76.5-115			
3,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.4	72.6-111			
3,5-Dinitroaniline	1500	200	ug/kg wet	2000		75.1	63.8-110			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		87.8	80.5-109			
3-Nitrotoluene	1780	200	ug/kg wet	2000		88.8	80-110			
4-Amino-2,6-dinitrotoluene	1330	200	ug/kg wet	2000		66.5	55.1-112			
4-Nitrotoluene	1780	200	ug/kg wet	2000		89.0	80.6-109			
Nitrobenzene	1930	200	ug/kg wet	2000		96.5	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1520</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>78.2</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1890</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>94.7</i>	<i>70-114</i>			

Matrix Spike (A010217-MS1)

Source: A204318-20

Prepared: 10/29/2020 Analyzed: 10/30/2020 18:21

1,2-Dimethyl-3,4-Dinitrobenzene	1590	200	ug/kg dry	2029	ND	78.3	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1670	200	ug/kg dry	2053	ND	81.4	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1880	200	ug/kg dry	2032	ND	92.8	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1650	200	ug/kg dry	2059	ND	80.3	64-114			
1,3,5-Trinitrobenzene	1430	200	ug/kg dry	2033	ND	70.6	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1730	200	ug/kg dry	2053	ND	84.4	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg dry	2035	ND	91.8	75.4-111			
1,3-Dinitrobenzene	1600	200	ug/kg dry	2033	ND	78.6	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg dry	2039	ND	86.0	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2059	ND	88.6	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1760	200	ug/kg dry	2029	ND	86.9	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1570	200	ug/kg dry	2045	ND	76.6	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg dry	1998	ND	86.3	64.6-113			
2,3-Dinitrotoluene	1600	200	ug/kg dry	2033	ND	78.9	61.7-112			
2,4,6-Trinitrotoluene	11700	200	ug/kg dry	2033	9440	113	27.1-169			
2,4-Dinitrotoluene	1730	200	ug/kg dry	2033	ND	85.2	57-126			
2,5-Dinitrotoluene	1710	200	ug/kg dry	2033	ND	84.3	64.6-108			
2,6-Dinitrotoluene	1670	200	ug/kg dry	2033	ND	82.0	66.2-116			
2-Amino-4,6-dinitrotoluene	1300	200	ug/kg dry	2033	227	53.0	26.4-130			
2-Nitrotoluene	1880	200	ug/kg dry	2033	ND	92.3	73.2-116			
3,4-Dinitrotoluene	1760	200	ug/kg dry	2033	ND	86.8	59.8-115			
3,5-Dinitroaniline	1330	200	ug/kg dry	2033	ND	65.4	31.2-124			
3,5-Dinitrotoluene	1780	200	ug/kg dry	2033	ND	87.6	69.5-111			
3-Nitrotoluene	1810	200	ug/kg dry	2033	ND	88.8	75.4-115			
4-Amino-2,6-dinitrotoluene	1690	200	ug/kg dry	2033	263	70.2	20.6-139			
4-Nitrotoluene	1790	200	ug/kg dry	2033	ND	88.1	76.9-112			
Nitrobenzene	1920	200	ug/kg dry	2033	ND	94.4	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1410</i>		<i>ug/kg dry</i>	<i>1975</i>		<i>71.5</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1880</i>		<i>ug/kg dry</i>	<i>2033</i>		<i>92.3</i>	<i>70-114</i>			

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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010217 - EPA 3570

Matrix Spike Dup (A010217-MSD1)

Source: A204318-20

Prepared: 10/29/2020 Analyzed: 10/30/2020 18:53

1,2-Dimethyl-3,4-Dinitrobenzene	1520	200	ug/kg dry	2005	ND	76.0	67.1-109	4.17	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1470	200	ug/kg dry	2029	ND	72.4	68.4-108	13.0	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1760	200	ug/kg dry	2008	ND	87.8	72.5-113	6.70	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1560	200	ug/kg dry	2035	ND	76.6	64-114	5.81	20	
1,3,5-Trinitrobenzene	1310	200	ug/kg dry	2009	ND	65.3	10.7-145	8.92	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1620	200	ug/kg dry	2029	ND	79.6	70.3-111	6.95	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2011	ND	90.4	75.4-111	2.65	20	
1,3-Dinitrobenzene	1490	200	ug/kg dry	2009	ND	74.4	45.5-120	6.76	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1640	200	ug/kg dry	2015	ND	81.2	65.1-109	7.00	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1690	200	ug/kg dry	2035	ND	83.1	68.4-110	7.59	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1660	200	ug/kg dry	2005	ND	82.9	69.5-110	5.92	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1470	200	ug/kg dry	2021	ND	72.7	67-109	6.38	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1550	200	ug/kg dry	1975	ND	78.5	64.6-113	10.6	20	
2,3-Dinitrotoluene	1620	200	ug/kg dry	2009	ND	80.6	61.7-112	0.920	20	
2,4,6-Trinitrotoluene	9820	200	ug/kg dry	2009	9440	19.2	27.1-169	17.8	20	M
2,4-Dinitrotoluene	1550	200	ug/kg dry	2009	ND	76.9	57-126	11.4	20	
2,5-Dinitrotoluene	1570	200	ug/kg dry	2009	ND	78.0	64.6-108	8.91	20	
2,6-Dinitrotoluene	1620	200	ug/kg dry	2009	ND	80.5	66.2-116	3.07	20	
2-Amino-4,6-dinitrotoluene	1200	200	ug/kg dry	2009	227	48.2	26.4-130	8.71	20	
2-Nitrotoluene	1820	200	ug/kg dry	2009	ND	90.5	73.2-116	3.13	20	
3,4-Dinitrotoluene	1620	200	ug/kg dry	2009	ND	80.5	59.8-115	8.69	20	
3,5-Dinitroaniline	1250	200	ug/kg dry	2009	ND	62.4	31.2-124	5.81	20	
3,5-Dinitrotoluene	1630	200	ug/kg dry	2009	ND	81.0	69.5-111	8.97	20	
3-Nitrotoluene	1750	200	ug/kg dry	2009	ND	87.3	75.4-115	2.94	20	
4-Amino-2,6-dinitrotoluene	1450	200	ug/kg dry	2009	263	59.0	20.6-139	15.4	20	
4-Nitrotoluene	1730	200	ug/kg dry	2009	ND	86.3	76.9-112	3.28	20	
Nitrobenzene	1910	200	ug/kg dry	2009	ND	95.0	74-115	0.553	20	
Surrogate: 2,2'-Dinitrobiphenyl	1300		ug/kg dry	1952		66.4	10-150			
Surrogate: Nitrobenzene-d5	1860		ug/kg dry	2009		92.7	70-114			

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Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010218 - EPA 3570

Blank (A010218-BLK1)

Prepared: 10/28/2020 Analyzed: 10/30/2020 20:28

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrophenyl</i>	<i>1160</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>59.4</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1680</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>84.2</i>	<i>70-114</i>			

LCS (A010218-BS1)

Prepared: 10/28/2020 Analyzed: 10/30/2020 18:23

1,2-Dimethyl-3,4-Dinitrobenzene	1730	200	ug/kg wet	1996		86.8	79.8-107			
1,2-Dimethyl-3,5-Dinitrobenzene	1730	200	ug/kg wet	2020		85.7	77.4-105			
1,2-Dimethyl-3,6-Dinitrobenzene	1690	200	ug/kg wet	1999		84.5	82.4-108			
1,2-Dimethyl-4,5-Dinitrobenzene	1790	200	ug/kg wet	2026		88.3	72.5-113			
1,3,5-Trinitrobenzene	1470	200	ug/kg wet	2000		73.4	41.7-129			
1,3-Dimethyl-2,4-Dinitrobenzene	1740	200	ug/kg wet	2020		85.9	74.2-108			
1,3-Dimethyl-2,5-Dinitrobenzene	1750	200	ug/kg wet	2002		87.7	81.2-108			
1,3-Dinitrobenzene	1480	200	ug/kg wet	2000		74.1	54.1-119			
1,4-Dimethyl-2,3-Dinitrobenzene	1740	200	ug/kg wet	2006		86.5	78.2-104			
1,4-Dimethyl-2,5-Dinitrobenzene	1750	200	ug/kg wet	2026		86.5	75.3-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1760	200	ug/kg wet	1996		88.0	73.6-108			
1,5-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg wet	2012		85.8	79.6-105			
1,5-Dimethyl-2,4-Dinitrobenzene	1670	200	ug/kg wet	1966		84.9	75.5-106			
2,3-Dinitrotoluene	1600	200	ug/kg wet	2000		80.2	72.1-113			
2,4,6-Trinitrotoluene	1740	200	ug/kg wet	2000		86.8	65.6-124			
2,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.7	68.7-120			

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Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010218 - EPA 3570

LCS (A010218-BS1)

Prepared: 10/28/2020 Analyzed: 10/30/2020 18:23

2,5-Dinitrotoluene	1560	200	ug/kg wet	2000		78.0	70.5-109			
2,6-Dinitrotoluene	1660	200	ug/kg wet	2000		82.8	78.1-111			
2-Amino-4,6-dinitrotoluene	1600	200	ug/kg wet	2000		79.9	65.3-107			
2-Nitrotoluene	1700	200	ug/kg wet	2000		85.1	76.5-115			
3,4-Dinitrotoluene	1710	200	ug/kg wet	2000		85.5	72.6-111			
3,5-Dinitroaniline	1570	200	ug/kg wet	2000		78.3	63.8-110			
3,5-Dinitrotoluene	1670	200	ug/kg wet	2000		83.6	80.5-109			
3-Nitrotoluene	1700	200	ug/kg wet	2000		84.8	80-110			
4-Amino-2,6-dinitrotoluene	1520	200	ug/kg wet	2000		76.2	55.1-112			
4-Nitrotoluene	1710	200	ug/kg wet	2000		85.5	80.6-109			
Nitrobenzene	1730	200	ug/kg wet	2000		86.5	82.1-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1670</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>85.9</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1670</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>83.5</i>	<i>70-114</i>			

Matrix Spike (A010218-MS1)

Source: A204318-21

Prepared: 10/28/2020 Analyzed: 10/30/2020 18:54

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg dry	2025	ND	88.6	67.1-109			
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg dry	2050	ND	87.6	68.4-108			
1,2-Dimethyl-3,6-Dinitrobenzene	1740	200	ug/kg dry	2028	ND	85.6	72.5-113			
1,2-Dimethyl-4,5-Dinitrobenzene	1810	200	ug/kg dry	2056	ND	88.1	64-114			
1,3,5-Trinitrobenzene	1420	200	ug/kg dry	2030	ND	70.2	10.7-145			
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2050	ND	88.7	70.3-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2032	ND	89.6	75.4-111			
1,3-Dinitrobenzene	1470	200	ug/kg dry	2030	ND	72.4	45.5-120			
1,4-Dimethyl-2,3-Dinitrobenzene	1770	200	ug/kg dry	2036	ND	86.9	65.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2056	ND	88.5	68.4-110			
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2025	ND	90.5	69.5-110			
1,5-Dimethyl-2,3-Dinitrobenzene	1770	200	ug/kg dry	2042	ND	86.6	67-109			
1,5-Dimethyl-2,4-Dinitrobenzene	1710	200	ug/kg dry	1995	ND	85.6	64.6-113			
2,3-Dinitrotoluene	1640	200	ug/kg dry	2030	ND	80.9	61.7-112			
2,4,6-Trinitrotoluene	2410	200	ug/kg dry	2030	564	90.9	27.1-169			
2,4-Dinitrotoluene	1890	200	ug/kg dry	2030	ND	93.4	57-126			
2,5-Dinitrotoluene	1620	200	ug/kg dry	2030	ND	79.7	64.6-108			
2,6-Dinitrotoluene	1720	200	ug/kg dry	2030	ND	84.7	66.2-116			
2-Amino-4,6-dinitrotoluene	1710	200	ug/kg dry	2030	198	74.7	26.4-130			
2-Nitrotoluene	1780	200	ug/kg dry	2030	ND	87.7	73.2-116			
3,4-Dinitrotoluene	1750	200	ug/kg dry	2030	ND	86.3	59.8-115			
3,5-Dinitroaniline	1440	200	ug/kg dry	2030	ND	70.7	31.2-124			
3,5-Dinitrotoluene	1710	200	ug/kg dry	2030	ND	84.2	69.5-111			
3-Nitrotoluene	1780	200	ug/kg dry	2030	ND	87.5	75.4-115			
4-Amino-2,6-dinitrotoluene	1780	200	ug/kg dry	2030	237	75.8	20.6-139			
4-Nitrotoluene	1790	200	ug/kg dry	2030	ND	88.2	76.9-112			
Nitrobenzene	1830	200	ug/kg dry	2030	ND	90.0	74-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1690</i>		<i>ug/kg dry</i>	<i>1972</i>		<i>85.6</i>	<i>10-150</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1770</i>		<i>ug/kg dry</i>	<i>2030</i>		<i>87.2</i>	<i>70-114</i>			

AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Explosive Compounds by EPA Method 8270 - Quality Control

Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010218 - EPA 3570

Matrix Spike Dup (A010218-MSD1)

Source: A204318-21

Prepared: 10/28/2020 Analyzed: 10/30/2020 19:25

1,2-Dimethyl-3,4-Dinitrobenzene	1730	200	ug/kg dry	2029	ND	85.4	67.1-109	3.48	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1730	200	ug/kg dry	2054	ND	84.4	68.4-108	3.48	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1700	200	ug/kg dry	2033	ND	83.8	72.5-113	1.94	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1790	200	ug/kg dry	2060	ND	86.8	64-114	1.37	20	
1,3,5-Trinitrobenzene	1420	200	ug/kg dry	2034	ND	70.0	10.7-145	0.0430	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2054	ND	87.0	70.3-111	1.79	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg dry	2036	ND	88.5	75.4-111	0.943	20	
1,3-Dinitrobenzene	1470	200	ug/kg dry	2034	ND	72.4	45.5-120	0.310	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg dry	2040	ND	86.2	65.1-109	0.668	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1790	200	ug/kg dry	2060	ND	87.1	68.4-110	1.47	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1800	200	ug/kg dry	2029	ND	88.9	69.5-110	1.58	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1710	200	ug/kg dry	2046	ND	83.4	67-109	3.59	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg dry	1999	ND	86.0	64.6-113	0.725	20	
2,3-Dinitrotoluene	1650	200	ug/kg dry	2034	ND	81.3	61.7-112	0.683	20	
2,4,6-Trinitrotoluene	2400	200	ug/kg dry	2034	564	90.4	27.1-169	0.243	20	
2,4-Dinitrotoluene	1820	200	ug/kg dry	2034	ND	89.4	57-126	4.18	20	
2,5-Dinitrotoluene	1620	200	ug/kg dry	2034	ND	79.5	64.6-108	0.115	20	
2,6-Dinitrotoluene	1690	200	ug/kg dry	2034	ND	82.9	66.2-116	2.04	20	
2-Amino-4,6-dinitrotoluene	1740	200	ug/kg dry	2034	198	75.6	26.4-130	1.28	20	
2-Nitrotoluene	1770	200	ug/kg dry	2034	ND	87.0	73.2-116	0.516	20	
3,4-Dinitrotoluene	1700	200	ug/kg dry	2034	ND	83.7	59.8-115	2.86	20	
3,5-Dinitroaniline	1500	200	ug/kg dry	2034	ND	73.6	31.2-124	4.24	20	
3,5-Dinitrotoluene	1680	200	ug/kg dry	2034	ND	82.4	69.5-111	1.88	20	
3-Nitrotoluene	1760	200	ug/kg dry	2034	ND	86.8	75.4-115	0.643	20	
4-Amino-2,6-dinitrotoluene	1800	200	ug/kg dry	2034	237	77.1	20.6-139	1.65	20	
4-Nitrotoluene	1780	200	ug/kg dry	2034	ND	87.6	76.9-112	0.458	20	
Nitrobenzene	1810	200	ug/kg dry	2034	ND	89.0	74-115	0.870	20	
Surrogate: 2,2'-Dinitrobiphenyl	1630		ug/kg dry	1976		82.4	10-150			
Surrogate: Nitrobenzene-d5	1750		ug/kg dry	2034		86.0	70-114			

AECOM
 4051 Ogletown Road
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI
 Project Number: 60635957
 Project Manager: Sharon Nordstrom

Classical Chemistry Parameters - Quality Control
Pace Analytical - Madison

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A010230 - % Solids

Duplicate (A010230-DUP1)	Source: A204318-01	Prepared: 10/29/2020	Analyzed: 10/30/2020 13:24		
% Solids	97.9	0.00 % by Weight	97.9	0.00378	20

Batch A010231 - % Solids

Duplicate (A010231-DUP1)	Source: A204318-21	Prepared: 10/29/2020	Analyzed: 10/30/2020 13:28		
% Solids	98.2	0.00 % by Weight	98.2	0.0584	20

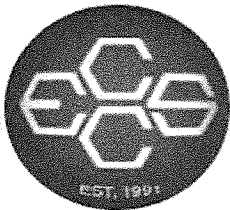
AECOM
4051 Ogletown Road
Newark DE, 19713

Project: Site Investigation - Barksdale, WI
Project Number: 60635957
Project Manager: Sharon Nordstrom

Notes and Definitions

- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- E1 Estimated value because of quality control sample exceedances.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



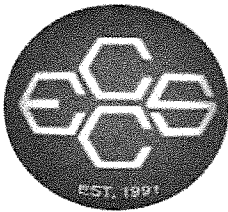
Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

FedEx Tracking 7718 3574 7072

Project Number: Site Investigation: 60635957				Lab Work Order #: A204318				Mail Report To: Sharon Nordstrom																																																																																																																																																																										
Project Name: Barksdale				Preservation Codes				Company: AECOM																																																																																																																																																																										
Project Location: Barksdale, WI				Analyses Requested: A				Address: 4051 Ogletown Rd Newark, DE 19713																																																																																																																																																																										
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				Matrix				Total # of Containers				Invoice To:																																																																																																																																																																						
If Rush, Report Due Date:												Company: AECOM																																																																																																																																																																						
Sampled By (Print): Desmond Nielsen & Eric Schmidt												Address:																																																																																																																																																																						
<i>Froze after collection</i>				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sample Description</th> <th colspan="2">Collection</th> <th rowspan="2">Matrix</th> <th rowspan="2">Total # of Containers</th> <th rowspan="2">NNOCs</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2">Comments</th> <th rowspan="2">Lab ID</th> <th rowspan="2">Lab Receipt Time</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>SITG-200921-014W (0-2)</td> <td>9/21/2020</td> <td>16:10</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>01</td> <td></td> </tr> <tr> <td>SITG-200929-016W (0-2.5)</td> <td>9/29/2020</td> <td>16:45</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>02</td> <td></td> </tr> <tr> <td>SITG-200930-020W (0-1)</td> <td>9/30/2020</td> <td>13:35</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>03</td> <td></td> </tr> <tr> <td>SITG-200930-023W (0-1)</td> <td>9/30/2020</td> <td>14:10</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>04</td> <td></td> </tr> <tr> <td>SITG-201008-042C (3-4.5)</td> <td>10/8/2020</td> <td>10:55</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>05</td> <td></td> </tr> <tr> <td>SITG-201008-042C (3-4.5)-D</td> <td>10/8/2020</td> <td>10:55</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>06</td> <td></td> </tr> <tr> <td>SITG-201008-042E (0-4)</td> <td>10/8/2020</td> <td>11:00</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>07</td> <td></td> </tr> <tr> <td>SITG-201008-042W (0-3)</td> <td>10/8/2020</td> <td>11:05</td> <td>S</td> <td>1</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td>08</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Sample Description	Collection		Matrix	Total # of Containers	NNOCs							Comments	Lab ID	Lab Receipt Time	Date	Time	SITG-200921-014W (0-2)	9/21/2020	16:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		01		SITG-200929-016W (0-2.5)	9/29/2020	16:45	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		02		SITG-200930-020W (0-1)	9/30/2020	13:35	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		03		SITG-200930-023W (0-1)	9/30/2020	14:10	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		04		SITG-201008-042C (3-4.5)	10/8/2020	10:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		05		SITG-201008-042C (3-4.5)-D	10/8/2020	10:55	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		06		SITG-201008-042E (0-4)	10/8/2020	11:00	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		07		SITG-201008-042W (0-3)	10/8/2020	11:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		08							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				E-mail Address: sharon.nordstrom@aecom.com			
Sample Description	Collection		Matrix						Total # of Containers	NNOCs																			Comments	Lab ID	Lab Receipt Time																																																																																																																																																			
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SITG-201008-042W (0-3)	10/8/2020	11:05	S	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		08																																																																																																																																																																					
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Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other				Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*				Relinquished By: <i>ES</i> Date: 10/20/2020 Time: 12:00 Relinquished By: Date: Time:				Received By: <i>[Signature]</i> Date: 10/20/2020 Time: 15:43 Received By: Date: Time:																																																																																																																																																																						
Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s: <i>N/A</i>				Shipped Via: <i>FedEx</i>				Receipt Temp: <i>2.1°C</i> Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <small>31x16014274 Exp 12/19/20</small>																																																																																																																																																																						

Page 32 of 34 A204318 FINAL 11 05 2020 1633

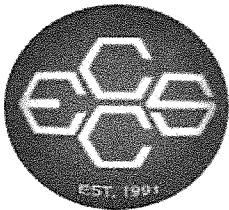


Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: Site Investigation: 60635957				Lab Work Order #: A204318				Mail Report To: Sharon Nordstrom									
Project Name: Barksdale				Preservation Codes				Company: AECOM									
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd									
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				Newark, DE 19713									
If Rush, Report Due Date:				Matrix				E-mail Address: sharon.nordstrom@aecom.com									
Sampled By (Print): Desmond Nielsen & Eric Schmidt								Invoice To:									
Froze after collection				Total # of Containers				Company: AECOM									
								Address:									
Sample Description				Date				Time									
SITG-201015-043C (0.2-0.5)				10/15/2020				08:55									
SITG-201015-044C (0.2-0.5)				10/15/2020				09:00									
SITG-201015-045C (0.2-0.5)				10/15/2020				09:05									
SITG-201015-046C (0.2-0.5)				10/15/2020				09:10									
SITG-201015-047X (0-0.5)				10/15/2020				13:00									
SITG-201015-048X (0-0.5)				10/15/2020				13:05									
SITG-201015-049X (0-0.5)				10/15/2020				13:10									
SITG-201015-049X (0-0.5)-D				10/15/2020				13:10									
SITG-201015-050X (0-0.5)				10/15/2020				13:15									
SITG-201015-051X (0-0.5)				10/15/2020				13:20									
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i>				Date: 10/24/2020		Time: 12:00		Received By: <i>[Signature]</i>		Date: 10/22/20		Time: 15:43	
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s: N/A		Shipped Via: FedEx		Receipt Temp: 2.1°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			

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Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: Site Investigation: 60635957				Lab Work Order #: A204318				Mail Report To: Sharon Nordstrom							
Project Name: Barksdale				Preservation Codes				Company: AECOM							
Project Location: Barksdale, WI				Analyses Requested				Address: 4051 Ogletown Rd							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				A				Newark, DE 19713							
If Rush, Report Due Date:				Matrix				E-mail Address: sharon.nordstrom@aecom.com							
Sampled By (Print): Desmond Nielsen & Eric Schmidt								Invoice To:							
Froze after collection				Total # of Containers				Company: AECOM							
								Address:							
Sample Description		Collection		NNOCS				Comments		Lab ID		Lab Receipt Time			
Date	Time														
SITG-201015-052X (0-0.5)	10/15/2020	13:25	S 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		19				
SITG-201015-053X (0-0.5)	10/15/2020	13:30	S 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		20				
SITG-201015-054X (0-0.5)	10/15/2020	13:35	S 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		21				
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Rush TAT Multipliers 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i>		Date: 10/22/2020		Time: 12:00		Received By: <i>[Signature]</i>		Date: 10/22/20		Time: 15:43	
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s: N/A		Shipped Via: Fed Ex		Receipt Temp: 2.12		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		S/N: 60142274		Exp: 12/19/20	

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ANALYTICAL REPORT

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

Laboratory Job ID: 280-139871-1

Client Project/Site: BAR-Clubhosue Well Sampling 2020

For:

The Chemours Company FC, LLC
c/o AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

Attn: Sharon Nordstrom



Authorized for release by:
9/15/2020 9:52:18 AM

Michelle Johnston, Project Manager II
(303)736-0110

Michelle.Johnston@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Qualifiers

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.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Job ID: 280-139871-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: The Chemours Company FC, LLC
Project: BAR-Clubhosue Well Sampling 2020
Report Number: 280-139871-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Throughout this report the MDL is equivalent to the LOD and the RL is equivalent to the LOQ. The LOD and LOQ have been adjusted for all dilutions performed.

The LOD and LOQ for soil samples have been dry weight adjusted.

Sample Arrival and Receipt

The samples were received on 8/27/2020 9:20 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.6° C and 5.6° C.

No anomalies were observed during sample receipt.

Semivolatiles - Method 8270C DNX

Samples GW2020-PZ16-POT-INFLOW (280-139871-1) and GW2020-PZ16-POT-INFLOW-D (280-139871-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/01/2020 and analyzed on 09/11/2020 and 09/12/2020.

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

Explosives - Method 8321A

Samples GW2020-PZ16-POT-INFLOW (280-139871-1) and GW2020-PZ16-POT-INFLOW-D (280-139871-2) were analyzed for explosives in accordance with EPA SW-846 Method 8321A. The samples were prepared on 09/01/2020 and analyzed on 09/08/2020.

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

Detection Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Client Sample ID: GW2020-PZ16-POT-INFLOW

Lab Sample ID: 280-139871-1

No Detections.

Client Sample ID: GW2020-PZ16-POT-INFLOW-D

Lab Sample ID: 280-139871-2

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8321A	Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL DEN
3535	Solid-Phase Extraction (SPE)	SW846	TAL DEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Sample Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-139871-1	GW2020-PZ16-POT-INFLOW	Water	08/25/20 14:30	08/27/20 09:20	
280-139871-2	GW2020-PZ16-POT-INFLOW-D	Water	08/25/20 14:30	08/27/20 09:20	

1

2

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14

15

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Client Sample ID: GW2020-PZ16-POT-INFLOW

Lab Sample ID: 280-139871-1

Date Collected: 08/25/20 14:30

Matrix: Water

Date Received: 08/27/20 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	4.8	0.23	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.31	U	4.8	0.31	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	4.8	0.39	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	4.8	0.37	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	4.8	0.43	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	4.8	0.40	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	4.8	0.36	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.72	U	9500	0.72	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	4.8	0.21	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	4.8	0.25	ug/L		09/01/20 18:16	09/11/20 23:50	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	4.8	0.26	ug/L		09/01/20 18:16	09/11/20 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		48 - 135	09/01/20 18:16	09/11/20 23:50	1
2-Fluorobiphenyl	84		48 - 135	09/01/20 18:16	09/11/20 23:50	1
2-Fluorophenol	88		41 - 135	09/01/20 18:16	09/11/20 23:50	1
Nitrobenzene-d5	87		42 - 135	09/01/20 18:16	09/11/20 23:50	1
Phenol-d5	91		46 - 135	09/01/20 18:16	09/11/20 23:50	1
Terphenyl-d14	108		20 - 135	09/01/20 18:16	09/11/20 23:50	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	0.016	U	0.096	0.016	ug/L		09/01/20 17:18	09/08/20 18:33	1
1,3-Dinitrobenzene	0.013	U	0.096	0.013	ug/L		09/01/20 17:18	09/08/20 18:33	1
2,3-Dinitrotoluene	0.014	U	0.096	0.014	ug/L		09/01/20 17:18	09/08/20 18:33	1
2,4,6-Trinitro-3-xylene	0.011	U	0.096	0.011	ug/L		09/01/20 17:18	09/08/20 18:33	1
2,4,6-Trinitrotoluene	0.021	U	0.096	0.021	ug/L		09/01/20 17:18	09/08/20 18:33	1
2,4-Dinitrotoluene	0.018	U	0.096	0.018	ug/L		09/01/20 17:18	09/08/20 18:33	1
2,5-Dinitrotoluene	0.013	U	0.096	0.013	ug/L		09/01/20 17:18	09/08/20 18:33	1
2,6-Dinitrotoluene	0.021	U	0.096	0.021	ug/L		09/01/20 17:18	09/08/20 18:33	1
2-Amino-4,6-dinitrotoluene	0.020	U	0.096	0.020	ug/L		09/01/20 17:18	09/08/20 18:33	1
2-Nitrotoluene	0.021	U	0.096	0.021	ug/L		09/01/20 17:18	09/08/20 18:33	1
3,4-Dinitrotoluene	0.019	U	0.096	0.019	ug/L		09/01/20 17:18	09/08/20 18:33	1
3,5-Dinitrotoluene	0.032	U	0.096	0.032	ug/L		09/01/20 17:18	09/08/20 18:33	1
3-Nitrotoluene	0.024	U	0.096	0.024	ug/L		09/01/20 17:18	09/08/20 18:33	1
4-Amino-2,6-dinitrotoluene	0.018	U	0.096	0.018	ug/L		09/01/20 17:18	09/08/20 18:33	1
4-Nitrotoluene	0.025	U	0.096	0.025	ug/L		09/01/20 17:18	09/08/20 18:33	1
HMX	0.018	U	0.096	0.018	ug/L		09/01/20 17:18	09/08/20 18:33	1
Nitrobenzene	0.032	U	0.096	0.032	ug/L		09/01/20 17:18	09/08/20 18:33	1
Nitroglycerin	0.016	U	0.13	0.016	ug/L		09/01/20 17:18	09/08/20 18:33	1
PETN	0.017	U	0.096	0.017	ug/L		09/01/20 17:18	09/08/20 18:33	1
RDX	0.020	U	0.096	0.020	ug/L		09/01/20 17:18	09/08/20 18:33	1
Tetryl	0.020	U	0.096	0.020	ug/L		09/01/20 17:18	09/08/20 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		48 - 130	09/01/20 17:18	09/08/20 18:33	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Client Sample ID: GW2020-PZ16-POT-INFLOW-D

Lab Sample ID: 280-139871-2

Date Collected: 08/25/20 14:30

Matrix: Water

Date Received: 08/27/20 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	4.8	0.23	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.32	U	4.8	0.32	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	4.8	0.39	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	4.8	0.37	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	4.8	0.43	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	4.8	0.40	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	4.8	0.36	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.73	U	9600	0.73	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	4.8	0.21	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	4.8	0.25	ug/L		09/01/20 18:16	09/12/20 01:18	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	4.8	0.26	ug/L		09/01/20 18:16	09/12/20 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		48 - 135	09/01/20 18:16	09/12/20 01:18	1
2-Fluorobiphenyl	75		48 - 135	09/01/20 18:16	09/12/20 01:18	1
2-Fluorophenol	86		41 - 135	09/01/20 18:16	09/12/20 01:18	1
Nitrobenzene-d5	82		42 - 135	09/01/20 18:16	09/12/20 01:18	1
Phenol-d5	86		46 - 135	09/01/20 18:16	09/12/20 01:18	1
Terphenyl-d14	104		20 - 135	09/01/20 18:16	09/12/20 01:18	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	0.016	U	0.095	0.016	ug/L		09/01/20 17:18	09/08/20 20:09	1
1,3-Dinitrobenzene	0.013	U	0.095	0.013	ug/L		09/01/20 17:18	09/08/20 20:09	1
2,3-Dinitrotoluene	0.014	U	0.095	0.014	ug/L		09/01/20 17:18	09/08/20 20:09	1
2,4,6-Trinitro-3-xylene	0.011	U	0.095	0.011	ug/L		09/01/20 17:18	09/08/20 20:09	1
2,4,6-Trinitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:09	1
2,4-Dinitrotoluene	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:09	1
2,5-Dinitrotoluene	0.013	U	0.095	0.013	ug/L		09/01/20 17:18	09/08/20 20:09	1
2,6-Dinitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:09	1
2-Amino-4,6-dinitrotoluene	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:09	1
2-Nitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:09	1
3,4-Dinitrotoluene	0.019	U	0.095	0.019	ug/L		09/01/20 17:18	09/08/20 20:09	1
3,5-Dinitrotoluene	0.032	U	0.095	0.032	ug/L		09/01/20 17:18	09/08/20 20:09	1
3-Nitrotoluene	0.024	U	0.095	0.024	ug/L		09/01/20 17:18	09/08/20 20:09	1
4-Amino-2,6-dinitrotoluene	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:09	1
4-Nitrotoluene	0.025	U	0.095	0.025	ug/L		09/01/20 17:18	09/08/20 20:09	1
HMX	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:09	1
Nitrobenzene	0.031	U	0.095	0.031	ug/L		09/01/20 17:18	09/08/20 20:09	1
Nitroglycerin	0.016	U	0.13	0.016	ug/L		09/01/20 17:18	09/08/20 20:09	1
PETN	0.017	U	0.095	0.017	ug/L		09/01/20 17:18	09/08/20 20:09	1
RDX	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:09	1
Tetryl	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		48 - 130	09/01/20 17:18	09/08/20 20:09	1

Surrogate Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (48-135)	FBP (48-135)	2FP (41-135)	NBZ (42-135)	PHL (46-135)	TPHL (20-135)
280-139871-1	GW2020-PZ16-POT-INFLOW	85	84	88	87	91	108
280-139871-1 MS	GW2020-PZ16-POT-INFLOW	94	87	91	90	95	112
280-139871-1 MSD	GW2020-PZ16-POT-INFLOW	94	86	90	90	89	110
280-139871-2	GW2020-PZ16-POT-INFLOW-D	86	75	86	82	86	104
LCS 280-507626/2-A	Lab Control Sample	88	85	91	90	87	104
LCS 280-507626/3-A	Lab Control Sample Dup	86	84	89	86	89	107
MB 280-507626/1-A	Method Blank	90	86	92	91	91	107

Surrogate Legend

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

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ
		(48-130)
280-139871-1	GW2020-PZ16-POT-INFLOW	96
280-139871-1 MS	GW2020-PZ16-POT-INFLOW	89
280-139871-1 MSD	GW2020-PZ16-POT-INFLOW	93
280-139871-2	GW2020-PZ16-POT-INFLOW-D	97
LCS 280-507587/2-A	Lab Control Sample	95
MB 280-507587/1-A	Method Blank	105

Surrogate Legend

NBZ = Nitrobenzene-d5

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

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

Lab Sample ID: MB 280-507626/1-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 507626

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	0.24	U	5.0	0.24	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.33	U	5.0	0.33	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.41	U	5.0	0.41	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.39	U	5.0	0.39	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.45	U	5.0	0.45	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.42	U	5.0	0.42	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.38	U	5.0	0.38	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.76	U	10000	0.76	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.22	U	5.0	0.22	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.26	U	5.0	0.26	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.27	U	5.0	0.27	ug/L		09/01/20 18:16	09/11/20 22:22	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	90		48 - 135	09/01/20 18:16	09/11/20 22:22	1
2-Fluorobiphenyl	86		48 - 135	09/01/20 18:16	09/11/20 22:22	1
2-Fluorophenol	92		41 - 135	09/01/20 18:16	09/11/20 22:22	1
Nitrobenzene-d5	91		42 - 135	09/01/20 18:16	09/11/20 22:22	1
Phenol-d5	91		46 - 135	09/01/20 18:16	09/11/20 22:22	1
Terphenyl-d14	107		20 - 135	09/01/20 18:16	09/11/20 22:22	1

Lab Sample ID: LCS 280-507626/2-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	52.0	46.6		ug/L		90	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	49.8	44.8		ug/L		90	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	50.5	45.4		ug/L		90	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	51.5	46.4		ug/L		90	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	49.5	43.8		ug/L		89	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	51.5	46.2		ug/L		90	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	51.8	46.0		ug/L		89	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	51.0	44.1	J	ug/L		86	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	51.5	46.7		ug/L		91	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	51.5	46.1		ug/L		90	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	52.0	47.1		ug/L		91	50 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	88		48 - 135
2-Fluorobiphenyl	85		48 - 135
2-Fluorophenol	91		41 - 135
Nitrobenzene-d5	90		42 - 135
Phenol-d5	87		46 - 135
Terphenyl-d14	104		20 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

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

Lab Sample ID: LCSD 280-507626/3-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,2-Dimethyl-3,4-Dinitrobenzene	52.0	46.4		ug/L		89	50 - 135	0	30	
1,2-Dimethyl-3,5-Dinitrobenzene	49.8	44.3		ug/L		89	50 - 135	1	30	
1,2-Dimethyl-3,6-Dinitrobenzene	50.5	43.8		ug/L		87	50 - 135	3	30	
1,2-Dimethyl-4,5-Dinitrobenzene	51.5	46.3		ug/L		90	50 - 135	0	30	
1,3-Dimethyl-2,4-Dinitrobenzene	49.5	43.6		ug/L		88	50 - 135	0	30	
1,3-Dimethyl-2,5-Dinitrobenzene	51.5	45.5		ug/L		88	50 - 135	1	30	
1,4-Dimethyl-2,3-Dinitrobenzene	51.8	45.8		ug/L		88	50 - 135	0	30	
1,4-Dimethyl-2,5-Dinitrobenzene	51.0	43.3	J	ug/L		85	50 - 135	2	30	
1,4-Dimethyl-2,6-Dinitrobenzene	51.5	46.3		ug/L		90	50 - 135	1	30	
1,5-Dimethyl-2,3-Dinitrobenzene	51.5	45.4		ug/L		88	50 - 135	1	30	
1,5-Dimethyl-2,4-Dinitrobenzene	52.0	47.2		ug/L		91	50 - 135	0	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	86		48 - 135
2-Fluorobiphenyl	84		48 - 135
2-Fluorophenol	89		41 - 135
Nitrobenzene-d5	86		42 - 135
Phenol-d5	89		46 - 135
Terphenyl-d14	107		20 - 135

Lab Sample ID: 280-139871-1 MS
Matrix: Water
Analysis Batch: 508822

Client Sample ID: GW2020-PZ16-POT-INFLOW
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	49.4	47.0		ug/L		95	50 - 135	
1,2-Dimethyl-3,5-Dinitrobenzene	0.31	U	47.2	45.4		ug/L		96	50 - 135	
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	48.0	46.3		ug/L		97	50 - 135	
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	48.9	46.8		ug/L		96	50 - 135	
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	47.0	45.5		ug/L		97	50 - 135	
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	48.9	47.9		ug/L		98	50 - 135	
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	49.1	47.1		ug/L		96	50 - 135	
1,4-Dimethyl-2,5-Dinitrobenzene	0.72	U	48.4	45.3	J	ug/L		93	50 - 135	
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	48.9	47.4		ug/L		97	50 - 135	
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	48.9	46.3		ug/L		95	50 - 135	
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	49.4	47.5		ug/L		96	50 - 135	

Surrogate	MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	94		48 - 135
2-Fluorobiphenyl	87		48 - 135
2-Fluorophenol	91		41 - 135
Nitrobenzene-d5	90		42 - 135
Phenol-d5	95		46 - 135
Terphenyl-d14	112		20 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

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

Lab Sample ID: 280-139871-1 MSD

Matrix: Water
Analysis Batch: 508822

Client Sample ID: GW2020-PZ16-POT-INFLOW

Prep Type: Total/NA
Prep Batch: 507626

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	49.6	46.9		ug/L		95	50 - 135	0	30
1,2-Dimethyl-3,5-Dinitrobenzene	0.31	U	47.5	45.2		ug/L		95	50 - 135	1	30
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	48.2	45.8		ug/L		95	50 - 135	1	30
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	49.2	47.2		ug/L		96	50 - 135	1	30
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	47.3	44.5		ug/L		94	50 - 135	2	30
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	49.2	46.6		ug/L		95	50 - 135	3	30
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	49.4	46.7		ug/L		95	50 - 135	1	30
1,4-Dimethyl-2,5-Dinitrobenzene	0.72	U	48.7	44.6	J	ug/L		92	50 - 135	1	30
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	49.2	46.7		ug/L		95	50 - 135	1	30
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	49.2	45.5		ug/L		93	50 - 135	2	30
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	49.6	47.1		ug/L		95	50 - 135	1	30
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
2,4,6-Tribromophenol	94		48 - 135								
2-Fluorobiphenyl	86		48 - 135								
2-Fluorophenol	90		41 - 135								
Nitrobenzene-d5	90		42 - 135								
Phenol-d5	89		46 - 135								
Terphenyl-d14	110		20 - 135								

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Lab Sample ID: MB 280-507587/1-A

Matrix: Water
Analysis Batch: 508393

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 507587

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
1,3,5-Trinitrobenzene	0.017	U	0.10	0.017	ug/L		09/01/20 17:18	09/08/20 17:29		1
1,3-Dinitrobenzene	0.014	U	0.10	0.014	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,3-Dinitrotoluene	0.015	U	0.10	0.015	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,4,6-Trinitro-3-xylene	0.012	U	0.10	0.012	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,4,6-Trinitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,4-Dinitrotoluene	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,5-Dinitrotoluene	0.014	U	0.10	0.014	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,6-Dinitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29		1
2-Amino-4,6-dinitrotoluene	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29		1
2-Nitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29		1
3,4-Dinitrotoluene	0.020	U	0.10	0.020	ug/L		09/01/20 17:18	09/08/20 17:29		1
3,5-Dinitrotoluene	0.034	U	0.10	0.034	ug/L		09/01/20 17:18	09/08/20 17:29		1
3-Nitrotoluene	0.025	U	0.10	0.025	ug/L		09/01/20 17:18	09/08/20 17:29		1
4-Amino-2,6-dinitrotoluene	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29		1
4-Nitrotoluene	0.026	U	0.10	0.026	ug/L		09/01/20 17:18	09/08/20 17:29		1
HMX	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29		1
Nitrobenzene	0.033	U	0.10	0.033	ug/L		09/01/20 17:18	09/08/20 17:29		1
Nitroglycerin	0.017	U	0.14	0.017	ug/L		09/01/20 17:18	09/08/20 17:29		1
PETN	0.018	U	0.10	0.018	ug/L		09/01/20 17:18	09/08/20 17:29		1
RDX	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29		1
Tetryl	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29		1

Eurofins TestAmerica, Denver

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: MB 280-507587/1-A
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 507587

<i>Surrogate</i>	<i>MB MB</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Nitrobenzene-d5</i>	105		48 - 130	09/01/20 17:18	09/08/20 17:29	1

Lab Sample ID: LCS 280-507587/2-A
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 507587

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
1,3,5-Trinitrobenzene	0.500	0.509		ug/L		102	48 - 135
1,3-Dinitrobenzene	0.500	0.492		ug/L		98	64 - 122
2,3-Dinitrotoluene	0.500	0.589		ug/L		118	50 - 150
2,4,6-Trinitro-3-xylene	0.500	0.460		ug/L		92	50 - 150
2,4,6-Trinitrotoluene	0.500	0.597		ug/L		119	10 - 145
2,4-Dinitrotoluene	0.500	0.483		ug/L		97	55 - 117
2,5-Dinitrotoluene	0.500	0.505		ug/L		101	50 - 150
2,6-Dinitrotoluene	0.500	0.346		ug/L		69	54 - 123
2-Amino-4,6-dinitrotoluene	0.500	0.400		ug/L		80	47 - 134
2-Nitrotoluene	0.500	0.433		ug/L		87	25 - 127
3,4-Dinitrotoluene	0.501	0.507		ug/L		101	50 - 150
3,5-Dinitrotoluene	0.500	0.489		ug/L		98	50 - 150
3-Nitrotoluene	0.500	0.444		ug/L		89	18 - 123
4-Amino-2,6-dinitrotoluene	0.500	0.495		ug/L		99	50 - 139
4-Nitrotoluene	0.500	0.440		ug/L		88	27 - 128
HMX	0.500	0.538		ug/L		108	63 - 119
Nitrobenzene	0.500	0.461		ug/L		92	39 - 131
Nitroglycerin	0.500	0.506		ug/L		101	60 - 121
PETN	0.500	0.476		ug/L		95	46 - 151
RDX	0.500	0.537		ug/L		107	71 - 127
Tetryl	0.500	0.565		ug/L		113	15 - 134

<i>Surrogate</i>	<i>LCS LCS</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Nitrobenzene-d5</i>	95		48 - 130

Lab Sample ID: 280-139871-1 MS
Matrix: Water
Analysis Batch: 508393

Client Sample ID: GW2020-PZ16-POT-INFLOW
Prep Type: Total/NA
Prep Batch: 507587

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
1,3,5-Trinitrobenzene	0.016	U	0.474	0.480		ug/L		101	48 - 135
1,3-Dinitrobenzene	0.013	U	0.474	0.464		ug/L		98	64 - 122
2,3-Dinitrotoluene	0.014	U	0.474	0.492		ug/L		104	50 - 150
2,4,6-Trinitro-3-xylene	0.011	U	0.474	0.495		ug/L		104	50 - 150
2,4,6-Trinitrotoluene	0.021	U	0.474	0.548		ug/L		116	10 - 145
2,4-Dinitrotoluene	0.018	U	0.474	0.466		ug/L		98	55 - 117
2,5-Dinitrotoluene	0.013	U	0.474	0.417		ug/L		88	50 - 150
2,6-Dinitrotoluene	0.021	U	0.474	0.478		ug/L		101	54 - 123
2-Amino-4,6-dinitrotoluene	0.020	U	0.474	0.397		ug/L		84	47 - 134
2-Nitrotoluene	0.021	U	0.474	0.420		ug/L		89	25 - 127
3,4-Dinitrotoluene	0.019	U	0.475	0.447		ug/L		94	50 - 150

Eurofins TestAmerica, Denver

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: 280-139871-1 MS

Matrix: Water

Analysis Batch: 508393

Client Sample ID: GW2020-PZ16-POT-INFLOW

Prep Type: Total/NA

Prep Batch: 507587

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
3,5-Dinitrotoluene	0.032	U	0.474	0.459		ug/L		97		50 - 150
3-Nitrotoluene	0.024	U	0.474	0.443		ug/L		93		18 - 123
4-Amino-2,6-dinitrotoluene	0.018	U	0.474	0.431		ug/L		91		50 - 139
4-Nitrotoluene	0.025	U	0.474	0.446		ug/L		94		27 - 128
HMX	0.018	U	0.474	0.499		ug/L		105		63 - 119
Nitrobenzene	0.032	U	0.474	0.444		ug/L		94		39 - 131
Nitroglycerin	0.016	U	0.474	0.498		ug/L		105		60 - 121
PETN	0.017	U	0.474	0.448		ug/L		94		46 - 151
RDX	0.020	U	0.474	0.514		ug/L		108		71 - 127
Tetryl	0.020	U	0.474	0.556		ug/L		117		15 - 134

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	89		48 - 130

Lab Sample ID: 280-139871-1 MSD

Matrix: Water

Analysis Batch: 508393

Client Sample ID: GW2020-PZ16-POT-INFLOW

Prep Type: Total/NA

Prep Batch: 507587

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier							
1,3,5-Trinitrobenzene	0.016	U	0.476	0.503		ug/L		106		48 - 135	5	52
1,3-Dinitrobenzene	0.013	U	0.476	0.507		ug/L		107		64 - 122	9	30
2,3-Dinitrotoluene	0.014	U	0.476	0.456		ug/L		96		50 - 150	8	30
2,4,6-Trinitro-3-xylene	0.011	U	0.476	0.515		ug/L		108		50 - 150	4	30
2,4,6-Trinitrotoluene	0.021	U	0.476	0.540		ug/L		113		10 - 145	2	70
2,4-Dinitrotoluene	0.018	U	0.476	0.415		ug/L		87		55 - 117	12	27
2,5-Dinitrotoluene	0.013	U	0.476	0.545		ug/L		115		50 - 150	27	50
2,6-Dinitrotoluene	0.021	U	0.476	0.386		ug/L		81		54 - 123	21	46
2-Amino-4,6-dinitrotoluene	0.020	U	0.476	0.452		ug/L		95		47 - 134	13	52
2-Nitrotoluene	0.021	U	0.476	0.446		ug/L		94		25 - 127	6	67
3,4-Dinitrotoluene	0.019	U	0.476	0.472		ug/L		99		50 - 150	5	30
3,5-Dinitrotoluene	0.032	U	0.476	0.444		ug/L		93		50 - 150	3	30
3-Nitrotoluene	0.024	U	0.476	0.455		ug/L		96		18 - 123	3	75
4-Amino-2,6-dinitrotoluene	0.018	U	0.476	0.478		ug/L		100		50 - 139	10	68
4-Nitrotoluene	0.025	U	0.476	0.452		ug/L		95		27 - 128	1	70
HMX	0.018	U	0.476	0.539		ug/L		113		63 - 119	8	48
Nitrobenzene	0.032	U	0.476	0.465		ug/L		98		39 - 131	5	55
Nitroglycerin	0.016	U	0.476	0.561		ug/L		118		60 - 121	12	62
PETN	0.017	U	0.476	0.482		ug/L		101		46 - 151	7	79
RDX	0.020	U	0.476	0.522		ug/L		110		71 - 127	2	26
Tetryl	0.020	U	0.476	0.578		ug/L		121		15 - 134	4	58

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	93		48 - 130

QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

GC/MS Semi VOA

Prep Batch: 507626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139871-1	GW2020-PZ16-POT-INFLOW	Total/NA	Water	3520C	
280-139871-2	GW2020-PZ16-POT-INFLOW-D	Total/NA	Water	3520C	
MB 280-507626/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-507626/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-507626/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
280-139871-1 MS	GW2020-PZ16-POT-INFLOW	Total/NA	Water	3520C	
280-139871-1 MSD	GW2020-PZ16-POT-INFLOW	Total/NA	Water	3520C	

Analysis Batch: 508822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139871-1	GW2020-PZ16-POT-INFLOW	Total/NA	Water	8270C	507626
280-139871-2	GW2020-PZ16-POT-INFLOW-D	Total/NA	Water	8270C	507626
MB 280-507626/1-A	Method Blank	Total/NA	Water	8270C	507626
LCS 280-507626/2-A	Lab Control Sample	Total/NA	Water	8270C	507626
LCSD 280-507626/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	507626
280-139871-1 MS	GW2020-PZ16-POT-INFLOW	Total/NA	Water	8270C	507626
280-139871-1 MSD	GW2020-PZ16-POT-INFLOW	Total/NA	Water	8270C	507626

LCMS

Prep Batch: 507587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139871-1	GW2020-PZ16-POT-INFLOW	Total/NA	Water	3535	
280-139871-2	GW2020-PZ16-POT-INFLOW-D	Total/NA	Water	3535	
MB 280-507587/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-507587/2-A	Lab Control Sample	Total/NA	Water	3535	
280-139871-1 MS	GW2020-PZ16-POT-INFLOW	Total/NA	Water	3535	
280-139871-1 MSD	GW2020-PZ16-POT-INFLOW	Total/NA	Water	3535	

Analysis Batch: 508393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139871-1	GW2020-PZ16-POT-INFLOW	Total/NA	Water	8321A	507587
280-139871-2	GW2020-PZ16-POT-INFLOW-D	Total/NA	Water	8321A	507587
MB 280-507587/1-A	Method Blank	Total/NA	Water	8321A	507587
LCS 280-507587/2-A	Lab Control Sample	Total/NA	Water	8321A	507587
280-139871-1 MS	GW2020-PZ16-POT-INFLOW	Total/NA	Water	8321A	507587
280-139871-1 MSD	GW2020-PZ16-POT-INFLOW	Total/NA	Water	8321A	507587

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Client Sample ID: GW2020-PZ16-POT-INFLOW

Lab Sample ID: 280-139871-1

Date Collected: 08/25/20 14:30

Matrix: Water

Date Received: 08/27/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1050.6 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 23:50	MKW	TAL DEN
Total/NA	Prep	3535			1046.7 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 18:33	AGCM	TAL DEN

Client Sample ID: GW2020-PZ16-POT-INFLOW-D

Lab Sample ID: 280-139871-2

Date Collected: 08/25/20 14:30

Matrix: Water

Date Received: 08/27/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1043.9 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 01:18	MKW	TAL DEN
Total/NA	Prep	3535			1051.2 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 20:09	AGCM	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-507587/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 17:29	AGCM	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-507626/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 22:22	MKW	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-507587/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 18:01	AGCM	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-507626/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 22:52	MKW	TAL DEN

Eurofins TestAmerica, Denver

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 280-507626/3-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 23:21	MKW	TAL DEN

Client Sample ID: GW2020-PZ16-POT-INFLOW

Lab Sample ID: 280-139871-1 MS

Date Collected: 08/25/20 14:30

Matrix: Water

Date Received: 08/27/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1053.1 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 00:19	MKW	TAL DEN
Total/NA	Prep	3535			1054.2 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 19:05	AGCM	TAL DEN

Client Sample ID: GW2020-PZ16-POT-INFLOW

Lab Sample ID: 280-139871-1 MSD

Date Collected: 08/25/20 14:30

Matrix: Water

Date Received: 08/27/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1047.6 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 00:48	MKW	TAL DEN
Total/NA	Prep	3535			1050.4 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 19:37	AGCM	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhosue Well Sampling 2020

Job ID: 280-139871-1

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-20-20
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21
Connecticut	State	PH-0686	09-30-20
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-09-21
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-01-20
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-20
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-20
North Dakota	State	R-034	01-08-21
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-21
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21
Texas	NELAP	T104704183-19-17	09-30-20
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-20
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody Record



Client Information Sharon Nordstrom The Chemours Company FC, LLC Address: c/o AECOM Sabre Building, Suite 300 4051 Ogletown Road City: Newark State, Zip: DE, 19713 Phone: 302-781-5936 (Tel) Email: sharon.nordstrom@aecom.com Project Name: BAR-Clubhouse Well Sampling 2020 Site: BARKSDALE		Sampler: ERIC SCHMINT Phone: (920) 621-3878 Lab PM: Johnston, Michelle A E-Mail: Michelle.Johnston@Eurofins.com		Carrier Tracking No(s): FENSE* 1875 9068 2264 1815 9068 2253		COC No: 280-101214-26119.2 Page: 1 Job #: OPM 507419	
Due Date Requested: TAT Requested (days): STANDARD PO #: LBIO-6704877201000-WH06-507975 WFO #: Project #: 28003388 SSOW#:		Analysis Requested 8321A Nitro Organics (DuPont List + DNT Isomers + TNX) <input checked="" type="checkbox"/> N <input type="checkbox"/> N 8270C DNX spike list <input type="checkbox"/> N <input type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> X <input type="checkbox"/> X Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> X <input type="checkbox"/> X		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify)		Special Instructions/Note: Total Number of Containers: 3 3 DUPLICATE 2 MATRIX SPIKE 2 MATRIX SPIKE DUPLICATE	
Sample Identification - SAMPLES SPLIT BETWEEN TWO COOLERS GW2020-PZ16-POT-INFLOW GW2020-PZ16-POT-INFLOW-1 GW2020-PZ16-POT-INFLOW-MS GW2020-PZ16-POT-INFLOW-MSD		Sample Date 8/25/20 ↓ ↓		Sample Time 1430 ↓ ↓		Sample Type (C=Comp, G=grab) G G G G	
Matrix (W=water, S=solid, O=organic, BR=issue, A=lab)		Preservation Code: W W W W		Field Filtered Sample (Yes or No) N Y X X M X X M X X N X X		Special Instructions/Note: 280-139871 Chain of Custody	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are...) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Empty Kits Relinquished by: Relinquished by: [Signature] Date: 8/19/20 Relinquished by: [Signature] Date: 8/26/2020 11:00 Relinquished by: [Signature]	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Method of Shipment:		Relinquished by: Received by: [Signature] Date: 8-27-20 0920 Company: EMM Received by: [Signature] Date: _____ Company: _____ Received by: [Signature] Date: _____ Company: _____	
Cooler Temperature(s) °C and Other Remarks: 4.8, 6.8 °C IN 11-0-20 4-27-20		Method of Shipment:		Relinquished by:		Relinquished by:	



Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 280-139871-1

Login Number: 139871

List Number: 1

Creator: Lubin, Julius C

List Source: Eurofins TestAmerica, Denver

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

Laboratory Job ID: 280-139875-1

Client Project/Site: BAR-Clubhouse Well Sampling 2020

For:

The Chemours Company FC, LLC
c/o AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

Attn: Sharon Nordstrom



Authorized for release by:
9/15/2020 10:00:29 AM

Michelle Johnston, Project Manager II
(303)736-0110

Michelle.Johnston@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Qualifiers

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.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Job ID: 280-139875-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: The Chemours Company FC, LLC
Project: BAR-Clubhouse Well Sampling 2020
Report Number: 280-139875-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Throughout this report the MDL is equivalent to the LOD and the RL is equivalent to the LOQ. The LOD and LOQ have been adjusted for all dilutions performed.

The LOD and LOQ for soil samples have been dry weight adjusted.

Sample Arrival and Receipt

The sample was received on 8/27/2020 9:20 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.6° C.

No anomalies were observed during sample receipt.

Semivolatiles - Method 8270C DNX

Sample GW2020-CLUBHOUSE-INFLOW (280-139875-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/01/2020 and analyzed on 09/12/2020.

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

Explosives - Method 8321A

Sample GW2020-CLUBHOUSE-INFLOW (280-139875-1) was analyzed for explosives in accordance with EPA SW-846 Method 8321A. The samples were prepared on 09/01/2020 and analyzed on 09/08/2020.

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

Detection Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Client Sample ID: GW2020-CLUBHOUSE-INFLOW

Lab Sample ID: 280-139875-1

No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8321A	Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL DEN
3535	Solid-Phase Extraction (SPE)	SW846	TAL DEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Water	08/25/20 16:00	08/27/20 09:20	

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Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Client Sample ID: GW2020-CLUBHOUSE-INFLOW

Lab Sample ID: 280-139875-1

Date Collected: 08/25/20 16:00

Matrix: Water

Date Received: 08/27/20 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	4.8	0.23	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.32	U	4.8	0.32	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	4.8	0.39	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	4.8	0.37	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	4.8	0.43	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	4.8	0.40	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	4.8	0.36	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.73	U	9500	0.73	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	4.8	0.21	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	4.8	0.25	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	4.8	0.26	ug/L		09/01/20 18:16	09/12/20 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		48 - 135	09/01/20 18:16	09/12/20 01:47	1
2-Fluorobiphenyl	74		48 - 135	09/01/20 18:16	09/12/20 01:47	1
2-Fluorophenol	84		41 - 135	09/01/20 18:16	09/12/20 01:47	1
Nitrobenzene-d5	82		42 - 135	09/01/20 18:16	09/12/20 01:47	1
Phenol-d5	84		46 - 135	09/01/20 18:16	09/12/20 01:47	1
Terphenyl-d14	106		20 - 135	09/01/20 18:16	09/12/20 01:47	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	0.016	U	0.095	0.016	ug/L		09/01/20 17:18	09/08/20 20:41	1
1,3-Dinitrobenzene	0.013	U	0.095	0.013	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,3-Dinitrotoluene	0.014	U	0.095	0.014	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,4,6-Trinitro-3-xylene	0.011	U	0.095	0.011	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,4,6-Trinitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,4-Dinitrotoluene	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,5-Dinitrotoluene	0.013	U	0.095	0.013	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,6-Dinitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:41	1
2-Amino-4,6-dinitrotoluene	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:41	1
2-Nitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:41	1
3,4-Dinitrotoluene	0.019	U	0.095	0.019	ug/L		09/01/20 17:18	09/08/20 20:41	1
3,5-Dinitrotoluene	0.032	U	0.095	0.032	ug/L		09/01/20 17:18	09/08/20 20:41	1
3-Nitrotoluene	0.024	U	0.095	0.024	ug/L		09/01/20 17:18	09/08/20 20:41	1
4-Amino-2,6-dinitrotoluene	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:41	1
4-Nitrotoluene	0.025	U	0.095	0.025	ug/L		09/01/20 17:18	09/08/20 20:41	1
HMX	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:41	1
Nitrobenzene	0.031	U	0.095	0.031	ug/L		09/01/20 17:18	09/08/20 20:41	1
Nitroglycerin	0.016	U	0.13	0.016	ug/L		09/01/20 17:18	09/08/20 20:41	1
PETN	0.017	U	0.095	0.017	ug/L		09/01/20 17:18	09/08/20 20:41	1
RDX	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:41	1
Tetryl	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	77		48 - 130	09/01/20 17:18	09/08/20 20:41	1

Surrogate Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP	FBP	2FP	NBZ	PHL	TPHL
		(48-135)	(48-135)	(41-135)	(42-135)	(46-135)	(20-135)
280-139871-B-1-A MS	Matrix Spike	94	87	91	90	95	112
280-139871-B-1-B MSD	Matrix Spike Duplicate	94	86	90	90	89	110
280-139875-1	GW2020-CLUBHOUSE-INFLOW	87	74	84	82	84	106
LCS 280-507626/2-A	Lab Control Sample	88	85	91	90	87	104
LCSD 280-507626/3-A	Lab Control Sample Dup	86	84	89	86	89	107
MB 280-507626/1-A	Method Blank	90	86	92	91	91	107

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ
		(48-130)
280-139871-A-1-B MS	Matrix Spike	89
280-139871-A-1-C MSD	Matrix Spike Duplicate	93
280-139875-1	GW2020-CLUBHOUSE-INFLOW	77
LCS 280-507587/2-A	Lab Control Sample	95
MB 280-507587/1-A	Method Blank	105

Surrogate Legend

NBZ = Nitrobenzene-d5

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

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

Lab Sample ID: MB 280-507626/1-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 507626

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	0.24	U	5.0	0.24	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.33	U	5.0	0.33	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.41	U	5.0	0.41	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.39	U	5.0	0.39	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.45	U	5.0	0.45	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.42	U	5.0	0.42	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.38	U	5.0	0.38	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.76	U	10000	0.76	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.22	U	5.0	0.22	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.26	U	5.0	0.26	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.27	U	5.0	0.27	ug/L		09/01/20 18:16	09/11/20 22:22	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	90		48 - 135	09/01/20 18:16	09/11/20 22:22	1
2-Fluorobiphenyl	86		48 - 135	09/01/20 18:16	09/11/20 22:22	1
2-Fluorophenol	92		41 - 135	09/01/20 18:16	09/11/20 22:22	1
Nitrobenzene-d5	91		42 - 135	09/01/20 18:16	09/11/20 22:22	1
Phenol-d5	91		46 - 135	09/01/20 18:16	09/11/20 22:22	1
Terphenyl-d14	107		20 - 135	09/01/20 18:16	09/11/20 22:22	1

Lab Sample ID: LCS 280-507626/2-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	52.0	46.6		ug/L		90	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	49.8	44.8		ug/L		90	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	50.5	45.4		ug/L		90	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	51.5	46.4		ug/L		90	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	49.5	43.8		ug/L		89	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	51.5	46.2		ug/L		90	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	51.8	46.0		ug/L		89	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	51.0	44.1	J	ug/L		86	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	51.5	46.7		ug/L		91	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	51.5	46.1		ug/L		90	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	52.0	47.1		ug/L		91	50 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	88		48 - 135
2-Fluorobiphenyl	85		48 - 135
2-Fluorophenol	91		41 - 135
Nitrobenzene-d5	90		42 - 135
Phenol-d5	87		46 - 135
Terphenyl-d14	104		20 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

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

Lab Sample ID: LCSD 280-507626/3-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dimethyl-3,4-Dinitrobenzene	52.0	46.4		ug/L		89	50 - 135	0	30
1,2-Dimethyl-3,5-Dinitrobenzene	49.8	44.3		ug/L		89	50 - 135	1	30
1,2-Dimethyl-3,6-Dinitrobenzene	50.5	43.8		ug/L		87	50 - 135	3	30
1,2-Dimethyl-4,5-Dinitrobenzene	51.5	46.3		ug/L		90	50 - 135	0	30
1,3-Dimethyl-2,4-Dinitrobenzene	49.5	43.6		ug/L		88	50 - 135	0	30
1,3-Dimethyl-2,5-Dinitrobenzene	51.5	45.5		ug/L		88	50 - 135	1	30
1,4-Dimethyl-2,3-Dinitrobenzene	51.8	45.8		ug/L		88	50 - 135	0	30
1,4-Dimethyl-2,5-Dinitrobenzene	51.0	43.3	J	ug/L		85	50 - 135	2	30
1,4-Dimethyl-2,6-Dinitrobenzene	51.5	46.3		ug/L		90	50 - 135	1	30
1,5-Dimethyl-2,3-Dinitrobenzene	51.5	45.4		ug/L		88	50 - 135	1	30
1,5-Dimethyl-2,4-Dinitrobenzene	52.0	47.2		ug/L		91	50 - 135	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol	86		48 - 135
2-Fluorobiphenyl	84		48 - 135
2-Fluorophenol	89		41 - 135
Nitrobenzene-d5	86		42 - 135
Phenol-d5	89		46 - 135
Terphenyl-d14	107		20 - 135

Lab Sample ID: 280-139871-B-1-A MS
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	49.4	47.0		ug/L		95	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	0.31	U	47.2	45.4		ug/L		96	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	48.0	46.3		ug/L		97	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	48.9	46.8		ug/L		96	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	47.0	45.5		ug/L		97	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	48.9	47.9		ug/L		98	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	49.1	47.1		ug/L		96	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	0.72	U	48.4	45.3	J	ug/L		93	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	48.9	47.4		ug/L		97	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	48.9	46.3		ug/L		95	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	49.4	47.5		ug/L		96	50 - 135

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2,4,6-Tribromophenol	94		48 - 135
2-Fluorobiphenyl	87		48 - 135
2-Fluorophenol	91		41 - 135
Nitrobenzene-d5	90		42 - 135
Phenol-d5	95		46 - 135
Terphenyl-d14	112		20 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

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

Lab Sample ID: 280-139871-B-1-B MSD

Matrix: Water

Analysis Batch: 508822

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 507626

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	49.6	46.9		ug/L		95	50 - 135	0	30	
1,2-Dimethyl-3,5-Dinitrobenzene	0.31	U	47.5	45.2		ug/L		95	50 - 135	1	30	
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	48.2	45.8		ug/L		95	50 - 135	1	30	
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	49.2	47.2		ug/L		96	50 - 135	1	30	
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	47.3	44.5		ug/L		94	50 - 135	2	30	
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	49.2	46.6		ug/L		95	50 - 135	3	30	
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	49.4	46.7		ug/L		95	50 - 135	1	30	
1,4-Dimethyl-2,5-Dinitrobenzene	0.72	U	48.7	44.6	J	ug/L		92	50 - 135	1	30	
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	49.2	46.7		ug/L		95	50 - 135	1	30	
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	49.2	45.5		ug/L		93	50 - 135	2	30	
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	49.6	47.1		ug/L		95	50 - 135	1	30	

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol	94		48 - 135
2-Fluorobiphenyl	86		48 - 135
2-Fluorophenol	90		41 - 135
Nitrobenzene-d5	90		42 - 135
Phenol-d5	89		46 - 135
Terphenyl-d14	110		20 - 135

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Lab Sample ID: MB 280-507587/1-A

Matrix: Water

Analysis Batch: 508393

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 507587

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
1,3,5-Trinitrobenzene	0.017	U	0.10	0.017	ug/L		09/01/20 17:18	09/08/20 17:29		1
1,3-Dinitrobenzene	0.014	U	0.10	0.014	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,3-Dinitrotoluene	0.015	U	0.10	0.015	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,4,6-Trinitro-3-xylene	0.012	U	0.10	0.012	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,4,6-Trinitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,4-Dinitrotoluene	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,5-Dinitrotoluene	0.014	U	0.10	0.014	ug/L		09/01/20 17:18	09/08/20 17:29		1
2,6-Dinitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29		1
2-Amino-4,6-dinitrotoluene	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29		1
2-Nitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29		1
3,4-Dinitrotoluene	0.020	U	0.10	0.020	ug/L		09/01/20 17:18	09/08/20 17:29		1
3,5-Dinitrotoluene	0.034	U	0.10	0.034	ug/L		09/01/20 17:18	09/08/20 17:29		1
3-Nitrotoluene	0.025	U	0.10	0.025	ug/L		09/01/20 17:18	09/08/20 17:29		1
4-Amino-2,6-dinitrotoluene	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29		1
4-Nitrotoluene	0.026	U	0.10	0.026	ug/L		09/01/20 17:18	09/08/20 17:29		1
HMX	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29		1
Nitrobenzene	0.033	U	0.10	0.033	ug/L		09/01/20 17:18	09/08/20 17:29		1
Nitroglycerin	0.017	U	0.14	0.017	ug/L		09/01/20 17:18	09/08/20 17:29		1
PETN	0.018	U	0.10	0.018	ug/L		09/01/20 17:18	09/08/20 17:29		1
RDX	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29		1
Tetryl	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29		1

Eurofins TestAmerica, Denver

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: MB 280-507587/1-A
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 507587

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	105		48 - 130	09/01/20 17:18	09/08/20 17:29	1

Lab Sample ID: LCS 280-507587/2-A
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
1,3-Dinitrobenzene	0.500	0.492		ug/L		98	64 - 122	
2,3-Dinitrotoluene	0.500	0.589		ug/L		118	50 - 150	
2,4,6-Trinitro-3-xylene	0.500	0.460		ug/L		92	50 - 150	
2,4,6-Trinitrotoluene	0.500	0.597		ug/L		119	10 - 145	
2,4-Dinitrotoluene	0.500	0.483		ug/L		97	55 - 117	
2,5-Dinitrotoluene	0.500	0.505		ug/L		101	50 - 150	
2,6-Dinitrotoluene	0.500	0.346		ug/L		69	54 - 123	
2-Amino-4,6-dinitrotoluene	0.500	0.400		ug/L		80	47 - 134	
2-Nitrotoluene	0.500	0.433		ug/L		87	25 - 127	
3,4-Dinitrotoluene	0.501	0.507		ug/L		101	50 - 150	
3,5-Dinitrotoluene	0.500	0.489		ug/L		98	50 - 150	
3-Nitrotoluene	0.500	0.444		ug/L		89	18 - 123	
4-Amino-2,6-dinitrotoluene	0.500	0.495		ug/L		99	50 - 139	
4-Nitrotoluene	0.500	0.440		ug/L		88	27 - 128	
HMX	0.500	0.538		ug/L		108	63 - 119	
Nitrobenzene	0.500	0.461		ug/L		92	39 - 131	
Nitroglycerin	0.500	0.506		ug/L		101	60 - 121	
PETN	0.500	0.476		ug/L		95	46 - 151	
RDX	0.500	0.537		ug/L		107	71 - 127	
Tetryl	0.500	0.565		ug/L		113	15 - 134	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	95		48 - 130

Lab Sample ID: 280-139871-A-1-B MS
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	%Rec.
1,3-Dinitrobenzene	0.013	U	0.474	0.464		ug/L		98	64 - 122	
2,3-Dinitrotoluene	0.014	U	0.474	0.492		ug/L		104	50 - 150	
2,4,6-Trinitro-3-xylene	0.011	U	0.474	0.495		ug/L		104	50 - 150	
2,4,6-Trinitrotoluene	0.021	U	0.474	0.548		ug/L		116	10 - 145	
2,4-Dinitrotoluene	0.018	U	0.474	0.466		ug/L		98	55 - 117	
2,5-Dinitrotoluene	0.013	U	0.474	0.417		ug/L		88	50 - 150	
2,6-Dinitrotoluene	0.021	U	0.474	0.478		ug/L		101	54 - 123	
2-Amino-4,6-dinitrotoluene	0.020	U	0.474	0.397		ug/L		84	47 - 134	
2-Nitrotoluene	0.021	U	0.474	0.420		ug/L		89	25 - 127	
3,4-Dinitrotoluene	0.019	U	0.475	0.447		ug/L		94	50 - 150	

Eurofins TestAmerica, Denver

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: 280-139871-A-1-B MS
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
3,5-Dinitrotoluene	0.032	U	0.474	0.459		ug/L		97		50 - 150
3-Nitrotoluene	0.024	U	0.474	0.443		ug/L		93		18 - 123
4-Amino-2,6-dinitrotoluene	0.018	U	0.474	0.431		ug/L		91		50 - 139
4-Nitrotoluene	0.025	U	0.474	0.446		ug/L		94		27 - 128
HMX	0.018	U	0.474	0.499		ug/L		105		63 - 119
Nitrobenzene	0.032	U	0.474	0.444		ug/L		94		39 - 131
Nitroglycerin	0.016	U	0.474	0.498		ug/L		105		60 - 121
PETN	0.017	U	0.474	0.448		ug/L		94		46 - 151
RDX	0.020	U	0.474	0.514		ug/L		108		71 - 127
Tetryl	0.020	U	0.474	0.556		ug/L		117		15 - 134
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
Nitrobenzene-d5	89		48 - 130							

Lab Sample ID: 280-139871-A-1-C MSD
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,3,5-Trinitrobenzene	0.016	U	0.476	0.503		ug/L		106		48 - 135	5	52
1,3-Dinitrobenzene	0.013	U	0.476	0.507		ug/L		107		64 - 122	9	30
2,3-Dinitrotoluene	0.014	U	0.476	0.456		ug/L		96		50 - 150	8	30
2,4,6-Trinitro-3-xylene	0.011	U	0.476	0.515		ug/L		108		50 - 150	4	30
2,4,6-Trinitrotoluene	0.021	U	0.476	0.540		ug/L		113		10 - 145	2	70
2,4-Dinitrotoluene	0.018	U	0.476	0.415		ug/L		87		55 - 117	12	27
2,5-Dinitrotoluene	0.013	U	0.476	0.545		ug/L		115		50 - 150	27	50
2,6-Dinitrotoluene	0.021	U	0.476	0.386		ug/L		81		54 - 123	21	46
2-Amino-4,6-dinitrotoluene	0.020	U	0.476	0.452		ug/L		95		47 - 134	13	52
2-Nitrotoluene	0.021	U	0.476	0.446		ug/L		94		25 - 127	6	67
3,4-Dinitrotoluene	0.019	U	0.476	0.472		ug/L		99		50 - 150	5	30
3,5-Dinitrotoluene	0.032	U	0.476	0.444		ug/L		93		50 - 150	3	30
3-Nitrotoluene	0.024	U	0.476	0.455		ug/L		96		18 - 123	3	75
4-Amino-2,6-dinitrotoluene	0.018	U	0.476	0.478		ug/L		100		50 - 139	10	68
4-Nitrotoluene	0.025	U	0.476	0.452		ug/L		95		27 - 128	1	70
HMX	0.018	U	0.476	0.539		ug/L		113		63 - 119	8	48
Nitrobenzene	0.032	U	0.476	0.465		ug/L		98		39 - 131	5	55
Nitroglycerin	0.016	U	0.476	0.561		ug/L		118		60 - 121	12	62
PETN	0.017	U	0.476	0.482		ug/L		101		46 - 151	7	79
RDX	0.020	U	0.476	0.522		ug/L		110		71 - 127	2	26
Tetryl	0.020	U	0.476	0.578		ug/L		121		15 - 134	4	58
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
Nitrobenzene-d5	93		48 - 130									

QC Association Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

GC/MS Semi VOA

Prep Batch: 507626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	3520C	
MB 280-507626/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-507626/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-507626/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
280-139871-B-1-A MS	Matrix Spike	Total/NA	Water	3520C	
280-139871-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 508822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	8270C	507626
MB 280-507626/1-A	Method Blank	Total/NA	Water	8270C	507626
LCS 280-507626/2-A	Lab Control Sample	Total/NA	Water	8270C	507626
LCSD 280-507626/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	507626
280-139871-B-1-A MS	Matrix Spike	Total/NA	Water	8270C	507626
280-139871-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C	507626

LCMS

Prep Batch: 507587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	3535	
MB 280-507587/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-507587/2-A	Lab Control Sample	Total/NA	Water	3535	
280-139871-A-1-B MS	Matrix Spike	Total/NA	Water	3535	
280-139871-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3535	

Analysis Batch: 508393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	8321A	507587
MB 280-507587/1-A	Method Blank	Total/NA	Water	8321A	507587
LCS 280-507587/2-A	Lab Control Sample	Total/NA	Water	8321A	507587
280-139871-A-1-B MS	Matrix Spike	Total/NA	Water	8321A	507587
280-139871-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	8321A	507587

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Client Sample ID: GW2020-CLUBHOUSE-INFLOW

Lab Sample ID: 280-139875-1

Date Collected: 08/25/20 16:00

Matrix: Water

Date Received: 08/27/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1047.2 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 01:47	MKW	TAL DEN
Total/NA	Prep	3535			1053.9 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 20:41	AGCM	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-507587/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 17:29	AGCM	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-507626/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 22:22	MKW	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-507587/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 18:01	AGCM	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-507626/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 22:52	MKW	TAL DEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 280-507626/3-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 23:21	MKW	TAL DEN

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Client Sample ID: Matrix Spike

Lab Sample ID: 280-139871-A-1-B MS

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1054.2 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 19:05	AGCM	TAL DEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 280-139871-A-1-C MSD

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1050.4 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 19:37	AGCM	TAL DEN

Client Sample ID: Matrix Spike

Lab Sample ID: 280-139871-B-1-A MS

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1053.1 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 00:19	MKW	TAL DEN

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 280-139871-B-1-B MSD

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1047.6 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 00:48	MKW	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-20-20
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21
Connecticut	State	PH-0686	09-30-20
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-09-21
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-01-20
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-20
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-20
North Dakota	State	R-034	01-08-21
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-21
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21
Texas	NELAP	T104704183-19-17	09-30-20
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-20
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Chain of Custody Record

Client Information Client Contact: Sharon Nordstrom Company: The Chemours Company FC, LLC Address: c/o AECOM Sabre Building, Suite 300 4051 Oglethorn Road City: Newark State, Zip: DE, 19713 Phone: 302-781-5936(Tel) PO #: LBIO-67048/77201000-WH06-507975 WO #: Project #: 28003388 SSOW#: Email: sharon.nordstrom@aecum.com Project Name: BAR-Clubhouse Well Sampling 2020 Site: BAR-CLUBHOUSE		Lab PM: Johnston, Michelle A E-Mail: Michelle.Johnston@Eurofinset.com Carrier Tracking No(s): FEDEX 1926 7803 0066		COC No: 280-101214-26119.2 Page: 1 Job #: OTM 50747	
Due Date Requested: TAT Requested (days): STANDARD		Analysis is Requested			
PO #: Project #: SSOW#:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify)			
Sample Identification Sample Name: BAR-CLUBHOUSE - INFLOW Sample Type: G Sample Time: 1600 Sample Date: 8/25/2020 Matrix: W Matrix (W=water, S=solid, O=water/soil, B=leachate, A=air)		Total Number of Containers: Special Instructions/Note:			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Empty Kit Relinquished by: Relinquished by: [Signature] Date/Time: 8/19/20		Special Instructions/QC Requirements:			
Relinquished by: Relinquished by: [Signature] Date/Time: 8/26/2020 11:00		Method of Shipment:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Received by: [Signature] Date/Time: 8-27-20 09:20			
Custody Seal No.:		Company: ETA			



Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 280-139875-1

Login Number: 139875

List Number: 1

Creator: Lubin, Julius C

List Source: Eurofins TestAmerica, Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

Laboratory Job ID: 280-141547-1

Client Project/Site: BAR-Surface Water and Sediment Sampling
2020

Revision: 1

For:

The Chemours Company FC, LLC
c/o AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

Attn: Sharon Nordstrom



Authorized for release by:

12/8/2020 9:03:48 AM

Michelle Johnston, Project Manager II
(303)736-0110

Michelle.Johnston@Eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

LCMS

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

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

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Job ID: 280-141547-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: The Chemours Company FC, LLC
Project: BAR-Surface Water and Sediment Sampling 2020
Report Number: 280-141547-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Throughout this report the MDL is equivalent to the LOD and the RL is equivalent to the LOQ. The LOD and LOQ have been adjusted for all dilutions performed.

The LOD and LOQ for soil samples have been dry weight adjusted.

Revision - 12/8/2020

The sample ID for SW2020-SED-I001 (280-141547-8) was revised to SW2020-SW-I001 to match the Chain of Custody.

Sample Arrival and Receipt

The samples were received on 10/14/2020 9:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.5° C, 2.1° C, 3.2° C and 3.4° C.

Receipt Exceptions

Some water leaked into the 8oz soil jar received for sample SW2020-SED-B001 (280-141547-2).

Two of four coolers were received on 10/14/2020; therefore, volume was missing for the following samples: SW2020-SED-C001 (280-141547-3), SW2020-SED-K001 (280-141547-5), SW2020-SED-F001 (280-141547-7), SW2020-SW-I001 (280-141547-8[MSD]) and SW2020-SW-K001 (280-141547-9). In addition, one of four containers for sample SW2020-SED-I001 (280-141547-8[MS]) was missing. One of the two missing coolers was received on 10/15/2020 containing the missing volume for SW2020-SW-I001 (280-141547-8[MS]) and SW2020-SW-I001 (280-141547-8[MSD]). The second missing cooler was received on 10/16/2020 containing the remaining missing volumes. The turnaround time was adjusted for the delayed coolers.

No other anomalies were observed during sample receipt.

Semivolatiles - Method 8270C DNX

Samples SW2020-SED-B002 (280-141547-1), SW2020-SED-B001 (280-141547-2), SW2020-SED-C001 (280-141547-3), SW2020-SED-D001 (280-141547-4), SW2020-SED-K001 (280-141547-5), SW2020-SED-I001 (280-141547-6) and SW2020-SED-F001 (280-141547-7) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/20/2020 and analyzed on 10/30/2020.

Samples SW2020-SW-I001 (280-141547-8) and SW2020-SW-K001 (280-141547-9) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/19/2020 and analyzed on 10/29/2020.

The following samples could not be thoroughly homogenized before sub-sampling was performed due to sample matrix: SW2020-SED-B002 (280-141547-1), SW2020-SED-B001 (280-141547-2), SW2020-SED-C001 (280-141547-3), SW2020-SED-D001 (280-141547-4), SW2020-SED-K001 (280-141547-5), SW2020-SED-I001 (280-141547-6) and SW2020-SED-F001 (280-141547-7). The samples were clay.

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Job ID: 280-141547-1 (Continued)

Laboratory: Eurofins TestAmerica, Denver (Continued)

The following samples contained a lot of oil: SW2020-SED-B002 (280-141547-1), SW2020-SED-B001 (280-141547-2), SW2020-SED-C001 (280-141547-3), SW2020-SED-D001 (280-141547-4), SW2020-SED-K001 (280-141547-5), SW2020-SED-I001 (280-141547-6) and SW2020-SED-F001 (280-141547-7).

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to matrix effect on the internal standard, sample SW2020-SED-C001 (280-141547-3) had to be analyzed at a dilution. Due to the abundance of non-target analytes, sample SW2020-SED-F001 (280-141547-7) had to be analyzed at a dilution. The surrogate recoveries were calculated from diluted samples. The reporting limits have been adjusted relative to the dilutions required.

The method required MS/MSD could not be performed for prep batch 280-513271, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analyses data.

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

Explosives - Method 8321A

Samples SW2020-SED-B002 (280-141547-1), SW2020-SED-B001 (280-141547-2), SW2020-SED-C001 (280-141547-3), SW2020-SED-D001 (280-141547-4), SW2020-SED-K001 (280-141547-5), SW2020-SED-I001 (280-141547-6) and SW2020-SED-F001 (280-141547-7) were analyzed for Explosives (dry weight) in accordance with SW846 8321A. The samples were leached on 10/22/2020, prepared on 10/26/2020 and analyzed on 10/29/2020.

Samples SW2020-SW-I001 (280-141547-8) and SW2020-SW-K001 (280-141547-9) were analyzed for explosives in accordance with EPA SW-846 Method 8321A. The samples were prepared on 10/19/2020 and analyzed on 10/29/2020 and 10/30/2020.

The following samples were analyzed with an expired spike: SW2020-SED-K001 (280-141547-5[MS]), SW2020-SED-K001 (280-141547-5[MSD]), SW2020-SW-I001 (280-141547-8[MS]) and SW2020-SW-I001 (280-141547-8[MSD]). The spike passed recovery testing; therefore, data was reported.

Due to limited volume, the following sample was extracted using 4.73g instead of the SOP required 10g-11g: SW2020-SED-C001 (280-141547-3). Elevated reporting limits have been provided.

The following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: SW2020-SED-B001 (280-141547-2), SW2020-SED-C001 (280-141547-3), SW2020-SED-D001 (280-141547-4), SW2020-SED-K001 (280-141547-5), SW2020-SED-I001 (280-141547-6), SW2020-SED-F001 (280-141547-7), (280-141547-B-5 MS) and (280-141547-B-5 MSD). This material was removed and not extracted.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to matrix effect on the internal standards, samples SW2020-SW-I001 (280-141547-8), SW2020-SW-I001 (280-141547-8[MS]), SW2020-SW-I001 (280-141547-8[MSD]) and SW2020-SW-K001 (280-141547-9) had to be analyzed at dilutions. The surrogate recoveries were calculated from diluted samples. The reporting limits have been adjusted relative to the dilutions required.

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

Percent Moisture

Samples SW2020-SED-B002 (280-141547-1), SW2020-SED-B001 (280-141547-2), SW2020-SED-C001 (280-141547-3), SW2020-SED-D001 (280-141547-4), SW2020-SED-K001 (280-141547-5), SW2020-SED-I001 (280-141547-6) and SW2020-SED-F001 (280-141547-7) were analyzed for percent solids in accordance with ASTM D2216-90. The samples were analyzed on 10/21/2020.

Percent Moisture exceeded the RPD limit for the duplicate of sample 160-39843-26.

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

Detection Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-B002

Lab Sample ID: 280-141547-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,6-Trinitrotoluene	61	J	170	8.4	ug/Kg	1	☼	8321A	Total/NA
2,4-Dinitrotoluene	71	J	170	14	ug/Kg	1	☼	8321A	Total/NA

Client Sample ID: SW2020-SED-B001

Lab Sample ID: 280-141547-2

No Detections.

Client Sample ID: SW2020-SED-C001

Lab Sample ID: 280-141547-3

No Detections.

Client Sample ID: SW2020-SED-D001

Lab Sample ID: 280-141547-4

No Detections.

Client Sample ID: SW2020-SED-K001

Lab Sample ID: 280-141547-5

No Detections.

Client Sample ID: SW2020-SED-I001

Lab Sample ID: 280-141547-6

No Detections.

Client Sample ID: SW2020-SED-F001

Lab Sample ID: 280-141547-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,5-Dimethyl-2,4-Dinitrobenzene	330	J	850	120	ug/Kg	4	☼	8270C	Total/NA
1,3-Dinitrobenzene	17	J	120	8.4	ug/Kg	1	☼	8321A	Total/NA
2,4,6-Trinitro-3-xylene	95	J	120	4.9	ug/Kg	1	☼	8321A	Total/NA
2,4,6-Trinitrotoluene	460		120	6.0	ug/Kg	1	☼	8321A	Total/NA
2,4-Dinitrotoluene	730		120	9.7	ug/Kg	1	☼	8321A	Total/NA
2,6-Dinitrotoluene	85	J	120	24	ug/Kg	1	☼	8321A	Total/NA
2-Amino-4,6-dinitrotoluene	39	J	120	14	ug/Kg	1	☼	8321A	Total/NA
2-Nitrotoluene	21	J	120	6.8	ug/Kg	1	☼	8321A	Total/NA
3,4-Dinitrotoluene	15	J	120	12	ug/Kg	1	☼	8321A	Total/NA
4-Amino-2,6-dinitrotoluene	47	J	120	6.0	ug/Kg	1	☼	8321A	Total/NA
4-Nitrotoluene	29	J	120	13	ug/Kg	1	☼	8321A	Total/NA

Client Sample ID: SW2020-SW-I001

Lab Sample ID: 280-141547-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,3-Dinitrotoluene	0.021	J	0.098	0.015	ug/L	1		8321A	Total/NA
2,4-Dinitrotoluene	0.019	J	0.098	0.019	ug/L	1		8321A	Total/NA
2,6-Dinitrotoluene	0.054	J	0.098	0.022	ug/L	1		8321A	Total/NA
2-Amino-4,6-dinitrotoluene	0.13		0.098	0.021	ug/L	1		8321A	Total/NA
2-Nitrotoluene	0.12		0.098	0.022	ug/L	1		8321A	Total/NA
3,4-Dinitrotoluene	0.023	J	0.098	0.020	ug/L	1		8321A	Total/NA
4-Amino-2,6-dinitrotoluene	0.22		0.098	0.019	ug/L	1		8321A	Total/NA

Client Sample ID: SW2020-SW-K001

Lab Sample ID: 280-141547-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8321A	Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)	SW846	TAL DEN
D 2216-90	ASTM D 2216-90	ASTM	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL DEN
3535	Solid-Phase Extraction (SPE)	SW846	TAL DEN
3550C	Ultrasonic Extraction	SW846	TAL DEN
8330B	Sonication Extraction (Explosives)	SW846	TAL DEN
Increment, prep	ISM - Dry, Disaggregate, Sieve, 2 D Slabcake Subsample	EPA	TAL DEN

Protocol References:

ASTM = ASTM International

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 DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-141547-1	SW2020-SED-B002	Solid	10/12/20 13:40	10/14/20 09:45	
280-141547-2	SW2020-SED-B001	Solid	10/12/20 13:55	10/14/20 09:45	
280-141547-3	SW2020-SED-C001	Solid	10/12/20 14:25	10/14/20 09:45	
280-141547-4	SW2020-SED-D001	Solid	10/12/20 14:40	10/14/20 09:45	
280-141547-5	SW2020-SED-K001	Solid	10/12/20 15:05	10/14/20 09:45	
280-141547-6	SW2020-SED-I001	Solid	10/12/20 15:35	10/14/20 09:45	
280-141547-7	SW2020-SED-F001	Solid	10/12/20 16:10	10/14/20 09:45	
280-141547-8	SW2020-SW-I001	Water	10/12/20 15:30	10/14/20 09:45	
280-141547-9	SW2020-SW-K001	Water	10/12/20 15:00	10/14/20 09:45	

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-B002

Lab Sample ID: 280-141547-1

Date Collected: 10/12/20 13:40

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 56.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	49	U	290	49	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,2-Dimethyl-3,5-Dinitrobenzene	40	U	290	40	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,2-Dimethyl-3,6-Dinitrobenzene	43	U	290	43	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,2-Dimethyl-4,5-Dinitrobenzene	40	U	290	40	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,3-Dimethyl-2,4-Dinitrobenzene	30	U	290	30	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,3-Dimethyl-2,5-Dinitrobenzene	28	U	290	28	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,4-Dimethyl-2,3-Dinitrobenzene	47	U	290	47	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,4-Dimethyl-2,5-Dinitrobenzene	23	U	290	23	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,4-Dimethyl-2,6-Dinitrobenzene	31	U	290	31	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,5-Dimethyl-2,3-Dinitrobenzene	47	U	290	47	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1
1,5-Dimethyl-2,4-Dinitrobenzene	40	U	290	40	ug/Kg	☼	10/20/20 09:45	10/30/20 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		24 - 135	10/20/20 09:45	10/30/20 01:27	1
2-Fluorobiphenyl	68		33 - 135	10/20/20 09:45	10/30/20 01:27	1
2-Fluorophenol	72		39 - 135	10/20/20 09:45	10/30/20 01:27	1
Nitrobenzene-d5	62		32 - 135	10/20/20 09:45	10/30/20 01:27	1
Phenol-d5	69		39 - 135	10/20/20 09:45	10/30/20 01:27	1
Terphenyl-d14	79		30 - 135	10/20/20 09:45	10/30/20 01:27	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	21	U	170	21	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
1,3-Dinitrobenzene	12	U	170	12	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
2,4,6-Trinitro-3-xylene	6.8	U	170	6.8	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
2,4,6-Trinitrotoluene	61	J	170	8.4	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
2,4-Dinitrotoluene	71	J	170	14	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
2,6-Dinitrotoluene	33	U	170	33	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
2-Amino-4,6-dinitrotoluene	20	U	170	20	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
2-Nitrotoluene	9.6	U	170	9.6	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
3,4-Dinitrotoluene	17	U	170	17	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
3,5-Dinitrotoluene	35	U	170	35	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
3-Nitrotoluene	21	U	170	21	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
4-Amino-2,6-dinitrotoluene	8.5	U	170	8.5	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
4-Nitrotoluene	18	U	170	18	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
HMX	25	U	170	25	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
Nitrobenzene	18	U	170	18	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
Nitroglycerin	18	U	170	18	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
PETN	8.6	U	170	8.6	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
RDX	7.2	U	170	7.2	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1
Tetryl	13	U	170	13	ug/Kg	☼	10/26/20 17:47	10/29/20 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	95		68 - 140	10/26/20 17:47	10/29/20 14:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	43.2		0.1	0.1	%			10/21/20 15:30	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-B001

Lab Sample ID: 280-141547-2

Date Collected: 10/12/20 13:55

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 52.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	52	U	310	52	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,2-Dimethyl-3,5-Dinitrobenzene	43	U	310	43	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,2-Dimethyl-3,6-Dinitrobenzene	46	U	310	46	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,2-Dimethyl-4,5-Dinitrobenzene	43	U	310	43	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,3-Dimethyl-2,4-Dinitrobenzene	31	U	310	31	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,3-Dimethyl-2,5-Dinitrobenzene	30	U	310	30	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,4-Dimethyl-2,3-Dinitrobenzene	50	U	310	50	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,4-Dimethyl-2,5-Dinitrobenzene	24	U	310	24	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,4-Dimethyl-2,6-Dinitrobenzene	33	U	310	33	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,5-Dimethyl-2,3-Dinitrobenzene	50	U	310	50	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1
1,5-Dimethyl-2,4-Dinitrobenzene	43	U	310	43	ug/Kg	✳	10/20/20 09:45	10/30/20 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		24 - 135	10/20/20 09:45	10/30/20 01:55	1
2-Fluorobiphenyl	47		33 - 135	10/20/20 09:45	10/30/20 01:55	1
2-Fluorophenol	56		39 - 135	10/20/20 09:45	10/30/20 01:55	1
Nitrobenzene-d5	47		32 - 135	10/20/20 09:45	10/30/20 01:55	1
Phenol-d5	55		39 - 135	10/20/20 09:45	10/30/20 01:55	1
Terphenyl-d14	51		30 - 135	10/20/20 09:45	10/30/20 01:55	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	22	U	180	22	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
1,3-Dinitrobenzene	13	U	180	13	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
2,4,6-Trinitro-3-xylene	7.2	U	180	7.2	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
2,4,6-Trinitrotoluene	8.8	U	180	8.8	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
2,4-Dinitrotoluene	14	U	180	14	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
2,6-Dinitrotoluene	35	U	180	35	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
2-Amino-4,6-dinitrotoluene	21	U	180	21	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
2-Nitrotoluene	10	U	180	10	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
3,4-Dinitrotoluene	18	U	180	18	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
3,5-Dinitrotoluene	37	U	180	37	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
3-Nitrotoluene	22	U	180	22	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
4-Amino-2,6-dinitrotoluene	9.0	U	180	9.0	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
4-Nitrotoluene	19	U	180	19	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
HMX	26	U	180	26	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
Nitrobenzene	19	U	180	19	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
Nitroglycerin	18	U	180	18	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
PETN	9.0	U	180	9.0	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
RDX	7.6	U	180	7.6	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1
Tetryl	13	U	180	13	ug/Kg	✳	10/26/20 17:47	10/29/20 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		68 - 140	10/26/20 17:47	10/29/20 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	47.3		0.1	0.1	%			10/21/20 15:35	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-C001

Lab Sample ID: 280-141547-3

Date Collected: 10/12/20 14:25

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 27.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	400	U	2400	400	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,2-Dimethyl-3,5-Dinitrobenzene	330	U	2400	330	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,2-Dimethyl-3,6-Dinitrobenzene	360	U	2400	360	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,2-Dimethyl-4,5-Dinitrobenzene	330	U	2400	330	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,3-Dimethyl-2,4-Dinitrobenzene	240	U	2400	240	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,3-Dimethyl-2,5-Dinitrobenzene	230	U	2400	230	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,4-Dimethyl-2,3-Dinitrobenzene	390	U	2400	390	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,4-Dimethyl-2,5-Dinitrobenzene	190	U	2400	190	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,4-Dimethyl-2,6-Dinitrobenzene	260	U	2400	260	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,5-Dimethyl-2,3-Dinitrobenzene	390	U	2400	390	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4
1,5-Dimethyl-2,4-Dinitrobenzene	330	U	2400	330	ug/Kg	☼	10/20/20 09:45	10/30/20 20:30	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	2	X D	24 - 135	10/20/20 09:45	10/30/20 20:30	4
2-Fluorobiphenyl	1	X D	33 - 135	10/20/20 09:45	10/30/20 20:30	4
2-Fluorophenol	10	X D	39 - 135	10/20/20 09:45	10/30/20 20:30	4
Nitrobenzene-d5	3	X D	32 - 135	10/20/20 09:45	10/30/20 20:30	4
Phenol-d5	13	X D	39 - 135	10/20/20 09:45	10/30/20 20:30	4
Terphenyl-d14	0.6	X D	30 - 135	10/20/20 09:45	10/30/20 20:30	4

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	97	U	770	97	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
1,3-Dinitrobenzene	55	U	770	55	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
2,4,6-Trinitro-3-xylene	32	U	770	32	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
2,4,6-Trinitrotoluene	39	U	770	39	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
2,4-Dinitrotoluene	63	U	770	63	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
2,6-Dinitrotoluene	150	U	770	150	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
2-Amino-4,6-dinitrotoluene	92	U	770	92	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
2-Nitrotoluene	44	U	770	44	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
3,4-Dinitrotoluene	77	U	770	77	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
3,5-Dinitrotoluene	160	U	770	160	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
3-Nitrotoluene	99	U	770	99	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
4-Amino-2,6-dinitrotoluene	39	U	770	39	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
4-Nitrotoluene	85	U	770	85	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
HMX	110	U	770	110	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
Nitrobenzene	83	U	770	83	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
Nitroglycerin	81	U	770	81	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
PETN	40	U	770	40	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
RDX	33	U	770	33	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1
Tetryl	59	U	770	59	ug/Kg	☼	10/26/20 17:47	10/29/20 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	95		68 - 140	10/26/20 17:47	10/29/20 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	72.6		0.1	0.1	%			10/21/20 15:35	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-D001

Lab Sample ID: 280-141547-4

Date Collected: 10/12/20 14:40

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	34	U	200	34	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,2-Dimethyl-3,5-Dinitrobenzene	28	U	200	28	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,2-Dimethyl-3,6-Dinitrobenzene	30	U	200	30	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,2-Dimethyl-4,5-Dinitrobenzene	28	U	200	28	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,3-Dimethyl-2,4-Dinitrobenzene	20	U	200	20	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,3-Dimethyl-2,5-Dinitrobenzene	19	U	200	19	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,4-Dimethyl-2,3-Dinitrobenzene	32	U	200	32	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,4-Dimethyl-2,5-Dinitrobenzene	16	U	200	16	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,4-Dimethyl-2,6-Dinitrobenzene	22	U	200	22	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,5-Dimethyl-2,3-Dinitrobenzene	32	U	200	32	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1
1,5-Dimethyl-2,4-Dinitrobenzene	28	U	200	28	ug/Kg	✳	10/20/20 09:45	10/30/20 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		24 - 135	10/20/20 09:45	10/30/20 02:51	1
2-Fluorobiphenyl	68		33 - 135	10/20/20 09:45	10/30/20 02:51	1
2-Fluorophenol	73		39 - 135	10/20/20 09:45	10/30/20 02:51	1
Nitrobenzene-d5	66		32 - 135	10/20/20 09:45	10/30/20 02:51	1
Phenol-d5	71		39 - 135	10/20/20 09:45	10/30/20 02:51	1
Terphenyl-d14	80		30 - 135	10/20/20 09:45	10/30/20 02:51	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	15	U	120	15	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
1,3-Dinitrobenzene	8.2	U	120	8.2	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
2,4,6-Trinitro-3-xylene	4.7	U	120	4.7	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
2,4,6-Trinitrotoluene	5.8	U	120	5.8	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
2,4-Dinitrotoluene	9.4	U	120	9.4	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
2,6-Dinitrotoluene	23	U	120	23	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
2-Amino-4,6-dinitrotoluene	14	U	120	14	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
2-Nitrotoluene	6.6	U	120	6.6	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
3,4-Dinitrotoluene	12	U	120	12	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
3,5-Dinitrotoluene	24	U	120	24	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
3-Nitrotoluene	15	U	120	15	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
4-Amino-2,6-dinitrotoluene	5.9	U	120	5.9	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
4-Nitrotoluene	13	U	120	13	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
HMX	17	U	120	17	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
Nitrobenzene	12	U	120	12	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
Nitroglycerin	12	U	120	12	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
PETN	5.9	U	120	5.9	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
RDX	5.0	U	120	5.0	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1
Tetryl	8.7	U	120	8.7	ug/Kg	✳	10/26/20 17:47	10/29/20 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		68 - 140	10/26/20 17:47	10/29/20 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19.7		0.1	0.1	%			10/21/20 16:56	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-K001

Lab Sample ID: 280-141547-5

Date Collected: 10/12/20 15:05

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	34	U	200	34	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,2-Dimethyl-3,5-Dinitrobenzene	28	U	200	28	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,2-Dimethyl-3,6-Dinitrobenzene	31	U	200	31	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,2-Dimethyl-4,5-Dinitrobenzene	28	U	200	28	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,3-Dimethyl-2,4-Dinitrobenzene	21	U	200	21	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,3-Dimethyl-2,5-Dinitrobenzene	20	U	200	20	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,4-Dimethyl-2,3-Dinitrobenzene	33	U	200	33	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,4-Dimethyl-2,5-Dinitrobenzene	16	U	200	16	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,4-Dimethyl-2,6-Dinitrobenzene	22	U	200	22	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,5-Dimethyl-2,3-Dinitrobenzene	33	U	200	33	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1
1,5-Dimethyl-2,4-Dinitrobenzene	28	U	200	28	ug/Kg	✱	10/20/20 09:45	10/30/20 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		24 - 135	10/20/20 09:45	10/30/20 03:20	1
2-Fluorobiphenyl	63		33 - 135	10/20/20 09:45	10/30/20 03:20	1
2-Fluorophenol	78		39 - 135	10/20/20 09:45	10/30/20 03:20	1
Nitrobenzene-d5	62		32 - 135	10/20/20 09:45	10/30/20 03:20	1
Phenol-d5	79		39 - 135	10/20/20 09:45	10/30/20 03:20	1
Terphenyl-d14	86		30 - 135	10/20/20 09:45	10/30/20 03:20	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	16	U	120	16	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
1,3-Dinitrobenzene	8.9	U	120	8.9	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
2,4,6-Trinitro-3-xylene	5.1	U	120	5.1	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
2,4,6-Trinitrotoluene	6.3	U	120	6.3	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
2,4-Dinitrotoluene	10	U	120	10	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
2,6-Dinitrotoluene	25	U	120	25	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
2-Amino-4,6-dinitrotoluene	15	U	120	15	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
2-Nitrotoluene	7.2	U	120	7.2	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
3,4-Dinitrotoluene	12	U	120	12	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
3,5-Dinitrotoluene	26	U	120	26	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
3-Nitrotoluene	16	U	120	16	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
4-Amino-2,6-dinitrotoluene	6.4	U	120	6.4	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
4-Nitrotoluene	14	U	120	14	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
HMX	19	U	120	19	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
Nitrobenzene	13	U	120	13	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
Nitroglycerin	13	U	120	13	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
PETN	6.4	U	120	6.4	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
RDX	5.4	U	120	5.4	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1
Tetryl	9.5	U	120	9.5	ug/Kg	✱	10/26/20 17:47	10/29/20 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		68 - 140	10/26/20 17:47	10/29/20 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21.2		0.1	0.1	%			10/21/20 15:30	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-I001

Lab Sample ID: 280-141547-6

Date Collected: 10/12/20 15:35

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	35	U	210	35	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,2-Dimethyl-3,5-Dinitrobenzene	29	U	210	29	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,2-Dimethyl-3,6-Dinitrobenzene	31	U	210	31	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,2-Dimethyl-4,5-Dinitrobenzene	29	U	210	29	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,3-Dimethyl-2,4-Dinitrobenzene	21	U	210	21	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,3-Dimethyl-2,5-Dinitrobenzene	20	U	210	20	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,4-Dimethyl-2,3-Dinitrobenzene	34	U	210	34	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,4-Dimethyl-2,5-Dinitrobenzene	16	U	210	16	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,4-Dimethyl-2,6-Dinitrobenzene	23	U	210	23	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,5-Dimethyl-2,3-Dinitrobenzene	34	U	210	34	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1
1,5-Dimethyl-2,4-Dinitrobenzene	29	U	210	29	ug/Kg	✱	10/20/20 09:45	10/30/20 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	99		24 - 135	10/20/20 09:45	10/30/20 03:48	1
2-Fluorobiphenyl	85		33 - 135	10/20/20 09:45	10/30/20 03:48	1
2-Fluorophenol	104		39 - 135	10/20/20 09:45	10/30/20 03:48	1
Nitrobenzene-d5	88		32 - 135	10/20/20 09:45	10/30/20 03:48	1
Phenol-d5	102		39 - 135	10/20/20 09:45	10/30/20 03:48	1
Terphenyl-d14	112		30 - 135	10/20/20 09:45	10/30/20 03:48	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	14	U	110	14	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
1,3-Dinitrobenzene	8.2	U	110	8.2	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
2,4,6-Trinitro-3-xylene	4.7	U	110	4.7	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
2,4,6-Trinitrotoluene	5.8	U	110	5.8	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
2,4-Dinitrotoluene	9.4	U	110	9.4	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
2,6-Dinitrotoluene	23	U	110	23	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
2-Amino-4,6-dinitrotoluene	14	U	110	14	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
2-Nitrotoluene	6.6	U	110	6.6	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
3,4-Dinitrotoluene	11	U	110	11	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
3,5-Dinitrotoluene	24	U	110	24	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
3-Nitrotoluene	15	U	110	15	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
4-Amino-2,6-dinitrotoluene	5.8	U	110	5.8	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
4-Nitrotoluene	13	U	110	13	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
HMX	17	U	110	17	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
Nitrobenzene	12	U	110	12	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
Nitroglycerin	12	U	110	12	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
PETN	5.9	U	110	5.9	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
RDX	5.0	U	110	5.0	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1
Tetryl	8.7	U	110	8.7	ug/Kg	✱	10/26/20 17:47	10/29/20 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		68 - 140	10/26/20 17:47	10/29/20 19:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20.4		0.1	0.1	%			10/21/20 15:30	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-F001

Lab Sample ID: 280-141547-7

Date Collected: 10/12/20 16:10

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	140	U	850	140	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,2-Dimethyl-3,5-Dinitrobenzene	120	U	850	120	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,2-Dimethyl-3,6-Dinitrobenzene	130	U	850	130	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,2-Dimethyl-4,5-Dinitrobenzene	120	U	850	120	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,3-Dimethyl-2,4-Dinitrobenzene	86	U	850	86	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,3-Dimethyl-2,5-Dinitrobenzene	81	U	850	81	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,4-Dimethyl-2,3-Dinitrobenzene	140	U	850	140	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,4-Dimethyl-2,5-Dinitrobenzene	66	U	850	66	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,4-Dimethyl-2,6-Dinitrobenzene	91	U	850	91	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,5-Dimethyl-2,3-Dinitrobenzene	140	U	850	140	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4
1,5-Dimethyl-2,4-Dinitrobenzene	330	J	850	120	ug/Kg	☼	10/20/20 09:45	10/30/20 20:02	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63	D	24 - 135	10/20/20 09:45	10/30/20 20:02	4
2-Fluorobiphenyl	64	D	33 - 135	10/20/20 09:45	10/30/20 20:02	4
2-Fluorophenol	64	D	39 - 135	10/20/20 09:45	10/30/20 20:02	4
Nitrobenzene-d5	55	D	32 - 135	10/20/20 09:45	10/30/20 20:02	4
Phenol-d5	64	D	39 - 135	10/20/20 09:45	10/30/20 20:02	4
Terphenyl-d14	78	D	30 - 135	10/20/20 09:45	10/30/20 20:02	4

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	15	U	120	15	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
1,3-Dinitrobenzene	17	J	120	8.4	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
2,4,6-Trinitro-3-xylene	95	J	120	4.9	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
2,4,6-Trinitrotoluene	460		120	6.0	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
2,4-Dinitrotoluene	730		120	9.7	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
2,6-Dinitrotoluene	85	J	120	24	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
2-Amino-4,6-dinitrotoluene	39	J	120	14	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
2-Nitrotoluene	21	J	120	6.8	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
3,4-Dinitrotoluene	15	J	120	12	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
3,5-Dinitrotoluene	25	U	120	25	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
3-Nitrotoluene	15	U	120	15	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
4-Amino-2,6-dinitrotoluene	47	J	120	6.0	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
4-Nitrotoluene	29	J	120	13	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
HMX	18	U	120	18	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
Nitrobenzene	13	U	120	13	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
Nitroglycerin	12	U	120	12	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
PETN	6.1	U	120	6.1	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
RDX	5.1	U	120	5.1	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1
Tetryl	9.0	U	120	9.0	ug/Kg	☼	10/26/20 17:47	10/29/20 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	94		68 - 140	10/26/20 17:47	10/29/20 20:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22.3		0.1	0.1	%			10/21/20 15:30	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SW-I001

Lab Sample ID: 280-141547-8

Date Collected: 10/12/20 15:30

Matrix: Water

Date Received: 10/14/20 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	0.28	U	5.8	0.28	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.38	U	5.8	0.38	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.47	U	5.8	0.47	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.45	U	5.8	0.45	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.52	U	5.8	0.52	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.49	U	5.8	0.49	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.44	U	5.8	0.44	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.88	U	12000	0.88	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.25	U	5.8	0.25	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.30	U	5.8	0.30	ug/L		10/19/20 17:03	10/29/20 22:09	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.31	U	5.8	0.31	ug/L		10/19/20 17:03	10/29/20 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		48 - 135	10/19/20 17:03	10/29/20 22:09	1
2-Fluorobiphenyl	69		48 - 135	10/19/20 17:03	10/29/20 22:09	1
2-Fluorophenol	75		41 - 135	10/19/20 17:03	10/29/20 22:09	1
Nitrobenzene-d5	66		42 - 135	10/19/20 17:03	10/29/20 22:09	1
Phenol-d5	74		46 - 135	10/19/20 17:03	10/29/20 22:09	1
Terphenyl-d14	63		20 - 135	10/19/20 17:03	10/29/20 22:09	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	0.017	U	0.098	0.017	ug/L		10/19/20 08:04	10/29/20 23:12	1
1,3-Dinitrobenzene	0.014	U	0.098	0.014	ug/L		10/19/20 08:04	10/29/20 23:12	1
2,3-Dinitrotoluene	0.021	J	0.098	0.015	ug/L		10/19/20 08:04	10/29/20 23:12	1
2,4,6-Trinitro-3-xylene	0.012	U	0.098	0.012	ug/L		10/19/20 08:04	10/29/20 23:12	1
2,4,6-Trinitrotoluene	0.022	U	0.098	0.022	ug/L		10/19/20 08:04	10/29/20 23:12	1
2,4-Dinitrotoluene	0.019	J	0.098	0.019	ug/L		10/19/20 08:04	10/29/20 23:12	1
2,5-Dinitrotoluene	0.014	U	0.098	0.014	ug/L		10/19/20 08:04	10/29/20 23:12	1
2,6-Dinitrotoluene	0.054	J	0.098	0.022	ug/L		10/19/20 08:04	10/29/20 23:12	1
2-Amino-4,6-dinitrotoluene	0.13		0.098	0.021	ug/L		10/19/20 08:04	10/29/20 23:12	1
2-Nitrotoluene	0.12		0.098	0.022	ug/L		10/19/20 08:04	10/29/20 23:12	1
3,4-Dinitrotoluene	0.023	J	0.098	0.020	ug/L		10/19/20 08:04	10/29/20 23:12	1
3,5-Dinitrotoluene	0.033	U	0.098	0.033	ug/L		10/19/20 08:04	10/29/20 23:12	1
3-Nitrotoluene	0.025	U	0.098	0.025	ug/L		10/19/20 08:04	10/29/20 23:12	1
4-Amino-2,6-dinitrotoluene	0.22		0.098	0.019	ug/L		10/19/20 08:04	10/29/20 23:12	1
4-Nitrotoluene	0.026	U	0.098	0.026	ug/L		10/19/20 08:04	10/29/20 23:12	1
Nitrobenzene	0.032	U	0.098	0.032	ug/L		10/19/20 08:04	10/29/20 23:12	1
Nitroglycerin	0.017	U	0.14	0.017	ug/L		10/19/20 08:04	10/29/20 23:12	1
PETN	0.018	U	0.098	0.018	ug/L		10/19/20 08:04	10/29/20 23:12	1
RDX	0.021	U	0.098	0.021	ug/L		10/19/20 08:04	10/29/20 23:12	1
Tetryl	0.021	U	0.098	0.021	ug/L		10/19/20 08:04	10/29/20 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	103		48 - 130	10/19/20 08:04	10/29/20 23:12	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HMX	0.37	U	2.0	0.37	ug/L		10/19/20 08:04	10/30/20 01:20	20

Client Sample Results

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Client Sample ID: SW2020-SW-I001

Lab Sample ID: 280-141547-8

Date Collected: 10/12/20 15:30

Matrix: Water

Date Received: 10/14/20 09:45

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Nitrobenzene-d5	118	D	48 - 130	10/19/20 08:04	10/30/20 01:20	20

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Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SW-K001

Lab Sample ID: 280-141547-9

Date Collected: 10/12/20 15:00

Matrix: Water

Date Received: 10/14/20 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	0.24	U	4.9	0.24	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.33	U	4.9	0.33	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.40	U	4.9	0.40	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.38	U	4.9	0.38	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.44	U	4.9	0.44	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.41	U	4.9	0.41	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.37	U	4.9	0.37	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.75	U	9900	0.75	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.22	U	4.9	0.22	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.26	U	4.9	0.26	ug/L		10/19/20 17:03	10/29/20 23:34	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.27	U	4.9	0.27	ug/L		10/19/20 17:03	10/29/20 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		48 - 135	10/19/20 17:03	10/29/20 23:34	1
2-Fluorobiphenyl	72		48 - 135	10/19/20 17:03	10/29/20 23:34	1
2-Fluorophenol	74		41 - 135	10/19/20 17:03	10/29/20 23:34	1
Nitrobenzene-d5	70		42 - 135	10/19/20 17:03	10/29/20 23:34	1
Phenol-d5	76		46 - 135	10/19/20 17:03	10/29/20 23:34	1
Terphenyl-d14	53		20 - 135	10/19/20 17:03	10/29/20 23:34	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	0.016	U	0.096	0.016	ug/L		10/19/20 08:04	10/30/20 00:48	1
1,3-Dinitrobenzene	0.013	U	0.096	0.013	ug/L		10/19/20 08:04	10/30/20 00:48	1
2,3-Dinitrotoluene	0.014	U	0.096	0.014	ug/L		10/19/20 08:04	10/30/20 00:48	1
2,4,6-Trinitro-3-xylene	0.012	U	0.096	0.012	ug/L		10/19/20 08:04	10/30/20 00:48	1
2,4,6-Trinitrotoluene	0.021	U	0.096	0.021	ug/L		10/19/20 08:04	10/30/20 00:48	1
2,4-Dinitrotoluene	0.018	U	0.096	0.018	ug/L		10/19/20 08:04	10/30/20 00:48	1
2,5-Dinitrotoluene	0.013	U	0.096	0.013	ug/L		10/19/20 08:04	10/30/20 00:48	1
2,6-Dinitrotoluene	0.021	U	0.096	0.021	ug/L		10/19/20 08:04	10/30/20 00:48	1
2-Amino-4,6-dinitrotoluene	0.020	U	0.096	0.020	ug/L		10/19/20 08:04	10/30/20 00:48	1
2-Nitrotoluene	0.021	U	0.096	0.021	ug/L		10/19/20 08:04	10/30/20 00:48	1
3,4-Dinitrotoluene	0.019	U	0.096	0.019	ug/L		10/19/20 08:04	10/30/20 00:48	1
3,5-Dinitrotoluene	0.033	U	0.096	0.033	ug/L		10/19/20 08:04	10/30/20 00:48	1
3-Nitrotoluene	0.024	U	0.096	0.024	ug/L		10/19/20 08:04	10/30/20 00:48	1
4-Amino-2,6-dinitrotoluene	0.018	U	0.096	0.018	ug/L		10/19/20 08:04	10/30/20 00:48	1
4-Nitrotoluene	0.025	U	0.096	0.025	ug/L		10/19/20 08:04	10/30/20 00:48	1
Nitrobenzene	0.032	U	0.096	0.032	ug/L		10/19/20 08:04	10/30/20 00:48	1
Nitroglycerin	0.016	U	0.13	0.016	ug/L		10/19/20 08:04	10/30/20 00:48	1
PETN	0.017	U	0.096	0.017	ug/L		10/19/20 08:04	10/30/20 00:48	1
Tetryl	0.020	U	0.096	0.020	ug/L		10/19/20 08:04	10/30/20 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		48 - 130	10/19/20 08:04	10/30/20 00:48	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HMX	0.36	U	1.9	0.36	ug/L		10/19/20 08:04	10/30/20 02:57	20
RDX	0.40	U	1.9	0.40	ug/L		10/19/20 08:04	10/30/20 02:57	20

Client Sample Results

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Client Sample ID: SW2020-SW-K001

Lab Sample ID: 280-141547-9

Date Collected: 10/12/20 15:00

Matrix: Water

Date Received: 10/14/20 09:45

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Nitrobenzene-d5	118	D	48 - 130	10/19/20 08:04	10/30/20 02:57	20

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Surrogate Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (24-135)	FBP (33-135)	2FP (39-135)	NBZ (32-135)	PHL (39-135)	TPHL (30-135)
280-141547-1	SW2020-SED-B002	70	68	72	62	69	79
280-141547-2	SW2020-SED-B001	50	47	56	47	55	51
280-141547-3	SW2020-SED-C001	2 X D	1 X D	10 X D	3 X D	13 X D	0.6 X D
280-141547-4	SW2020-SED-D001	66	68	73	66	71	80
280-141547-5	SW2020-SED-K001	75	63	78	62	79	86
280-141547-6	SW2020-SED-I001	99	85	104	88	102	112
280-141547-7	SW2020-SED-F001	63 D	64 D	64 D	55 D	64 D	78 D
LCS 280-513271/2-A	Lab Control Sample	54	68	66	60	67	78
LCSD 280-513271/3-A	Lab Control Sample Dup	54	67	63	59	65	81
MB 280-513271/1-A	Method Blank	63	73	73	65	71	82

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (48-135)	FBP (48-135)	2FP (41-135)	NBZ (42-135)	PHL (46-135)	TPHL (20-135)
280-141547-8	SW2020-SW-I001	71	69	75	66	74	63
280-141547-8 MS	SW2020-SW-I001	73	72	74	69	73	58
280-141547-8 MSD	SW2020-SW-I001	80	78	82	77	82	67
280-141547-9	SW2020-SW-K001	77	72	74	70	76	53
LCS 280-513165/2-A	Lab Control Sample	66	71	69	64	69	92
MB 280-513165/1-A	Method Blank	67	75	77	72	76	93

Surrogate Legend

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

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		NBZ (68-140)
280-141547-1	SW2020-SED-B002	95
280-141547-2	SW2020-SED-B001	96
280-141547-3	SW2020-SED-C001	95
280-141547-4	SW2020-SED-D001	97
280-141547-5	SW2020-SED-K001	96

Eurofins TestAmerica, Denver

Surrogate Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ (68-140)
280-141547-5 MS	SW2020-SED-K001	79
280-141547-5 MS	SW2020-SED-K001	89
280-141547-5 MSD	SW2020-SED-K001	90
280-141547-5 MSD	SW2020-SED-K001	90
280-141547-6	SW2020-SED-I001	99
280-141547-7	SW2020-SED-F001	94
LCS 280-514165/2-A	Lab Control Sample	99
LCS 280-514165/3-A	Lab Control Sample	95
MB 280-514165/1-A	Method Blank	106

Surrogate Legend

NBZ = Nitrobenzene-d5

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ (48-130)
280-141547-8	SW2020-SW-I001	103
280-141547-8 - DL	SW2020-SW-I001	118 D
280-141547-8 MS	SW2020-SW-I001	92
280-141547-8 MS - DL	SW2020-SW-I001	108 D
280-141547-8 MSD	SW2020-SW-I001	93
280-141547-8 MSD - DL	SW2020-SW-I001	124 D
280-141547-9	SW2020-SW-K001	97
280-141547-9 - DL	SW2020-SW-K001	118 D
LCS 280-513083/2-A	Lab Control Sample	88
MB 280-513083/1-A	Method Blank	84

Surrogate Legend

NBZ = Nitrobenzene-d5

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

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

Lab Sample ID: MB 280-513165/1-A
Matrix: Water
Analysis Batch: 514736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513165

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	0.24	U	5.0	0.24	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.33	U	5.0	0.33	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.41	U	5.0	0.41	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.39	U	5.0	0.39	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.45	U	5.0	0.45	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.42	U	5.0	0.42	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.38	U	5.0	0.38	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.76	U	10000	0.76	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.22	U	5.0	0.22	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.26	U	5.0	0.26	ug/L		10/19/20 17:03	10/29/20 21:12	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.27	U	5.0	0.27	ug/L		10/19/20 17:03	10/29/20 21:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	67		48 - 135	10/19/20 17:03	10/29/20 21:12	1
2-Fluorobiphenyl	75		48 - 135	10/19/20 17:03	10/29/20 21:12	1
2-Fluorophenol	77		41 - 135	10/19/20 17:03	10/29/20 21:12	1
Nitrobenzene-d5	72		42 - 135	10/19/20 17:03	10/29/20 21:12	1
Phenol-d5	76		46 - 135	10/19/20 17:03	10/29/20 21:12	1
Terphenyl-d14	93		20 - 135	10/19/20 17:03	10/29/20 21:12	1

Lab Sample ID: LCS 280-513165/2-A
Matrix: Water
Analysis Batch: 514736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513165

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	52.0	46.8		ug/L		90	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	49.8	44.2		ug/L		89	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	50.5	44.9		ug/L		89	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	51.5	44.6		ug/L		87	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	49.5	41.7		ug/L		84	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	51.5	42.8		ug/L		83	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	51.8	46.4		ug/L		90	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	51.0	44.3	J	ug/L		87	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	51.5	42.7		ug/L		83	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	51.5	46.7		ug/L		91	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	52.0	44.0		ug/L		85	50 - 135

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	66		48 - 135
2-Fluorobiphenyl	71		48 - 135
2-Fluorophenol	69		41 - 135
Nitrobenzene-d5	64		42 - 135
Phenol-d5	69		46 - 135
Terphenyl-d14	92		20 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

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

Lab Sample ID: 280-141547-8 MS

Matrix: Water

Analysis Batch: 514736

Client Sample ID: SW2020-SW-I001

Prep Type: Total/NA

Prep Batch: 513165

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	0.28	U	50.5	47.0		ug/L		93	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	0.38	U	48.3	43.0		ug/L		89	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	0.47	U	49.0	45.1		ug/L		92	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	0.45	U	50.0	46.5		ug/L		93	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	0.52	U	48.1	44.7		ug/L		93	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	0.49	U	50.0	44.8		ug/L		90	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	0.44	U	50.3	45.5		ug/L		91	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	0.88	U	49.5	44.0	J	ug/L		89	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	0.25	U	50.0	43.2		ug/L		86	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	0.30	U	50.0	46.7		ug/L		93	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	0.31	U	50.5	44.7		ug/L		89	50 - 135

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	73		48 - 135
2-Fluorobiphenyl	72		48 - 135
2-Fluorophenol	74		41 - 135
Nitrobenzene-d5	69		42 - 135
Phenol-d5	73		46 - 135
Terphenyl-d14	58		20 - 135

Lab Sample ID: 280-141547-8 MSD

Matrix: Water

Analysis Batch: 514736

Client Sample ID: SW2020-SW-I001

Prep Type: Total/NA

Prep Batch: 513165

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dimethyl-3,4-Dinitrobenzene	0.28	U	50.4	47.3		ug/L		94	50 - 135	1	30
1,2-Dimethyl-3,5-Dinitrobenzene	0.38	U	48.2	43.7		ug/L		91	50 - 135	2	30
1,2-Dimethyl-3,6-Dinitrobenzene	0.47	U	49.0	45.9		ug/L		94	50 - 135	2	30
1,2-Dimethyl-4,5-Dinitrobenzene	0.45	U	49.9	46.8		ug/L		94	50 - 135	1	30
1,3-Dimethyl-2,4-Dinitrobenzene	0.52	U	48.0	45.8		ug/L		95	50 - 135	2	30
1,3-Dimethyl-2,5-Dinitrobenzene	0.49	U	49.9	45.2		ug/L		90	50 - 135	1	30
1,4-Dimethyl-2,3-Dinitrobenzene	0.44	U	50.2	47.1		ug/L		94	50 - 135	3	30
1,4-Dimethyl-2,5-Dinitrobenzene	0.88	U	49.4	43.8	J	ug/L		89	50 - 135	1	30
1,4-Dimethyl-2,6-Dinitrobenzene	0.25	U	49.9	42.9		ug/L		86	50 - 135	1	30
1,5-Dimethyl-2,3-Dinitrobenzene	0.30	U	49.9	47.1		ug/L		94	50 - 135	1	30
1,5-Dimethyl-2,4-Dinitrobenzene	0.31	U	50.4	45.8		ug/L		91	50 - 135	2	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	80		48 - 135
2-Fluorobiphenyl	78		48 - 135
2-Fluorophenol	82		41 - 135
Nitrobenzene-d5	77		42 - 135
Phenol-d5	82		46 - 135
Terphenyl-d14	67		20 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

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

Lab Sample ID: MB 280-513271/1-A
Matrix: Solid
Analysis Batch: 514736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513271

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	28	U	170	28	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,2-Dimethyl-3,5-Dinitrobenzene	23	U	170	23	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,2-Dimethyl-3,6-Dinitrobenzene	25	U	170	25	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,2-Dimethyl-4,5-Dinitrobenzene	23	U	170	23	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,3-Dimethyl-2,4-Dinitrobenzene	17	U	170	17	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,3-Dimethyl-2,5-Dinitrobenzene	16	U	170	16	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,4-Dimethyl-2,3-Dinitrobenzene	27	U	170	27	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,4-Dimethyl-2,5-Dinitrobenzene	13	U	170	13	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,4-Dimethyl-2,6-Dinitrobenzene	18	U	170	18	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,5-Dimethyl-2,3-Dinitrobenzene	27	U	170	27	ug/Kg		10/20/20 09:45	10/30/20 00:02	1
1,5-Dimethyl-2,4-Dinitrobenzene	23	U	170	23	ug/Kg		10/20/20 09:45	10/30/20 00:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	63		24 - 135	10/20/20 09:45	10/30/20 00:02	1
2-Fluorobiphenyl	73		33 - 135	10/20/20 09:45	10/30/20 00:02	1
2-Fluorophenol	73		39 - 135	10/20/20 09:45	10/30/20 00:02	1
Nitrobenzene-d5	65		32 - 135	10/20/20 09:45	10/30/20 00:02	1
Phenol-d5	71		39 - 135	10/20/20 09:45	10/30/20 00:02	1
Terphenyl-d14	82		30 - 135	10/20/20 09:45	10/30/20 00:02	1

Lab Sample ID: LCS 280-513271/2-A
Matrix: Solid
Analysis Batch: 514736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513271

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	1730	1430		ug/Kg		82	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	1660	1320		ug/Kg		80	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	1680	1380		ug/Kg		82	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	1720	1420		ug/Kg		83	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	1650	1350		ug/Kg		82	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	1720	1320		ug/Kg		77	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	1730	1380		ug/Kg		80	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	1700	1380		ug/Kg		81	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	1720	1310		ug/Kg		76	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	1720	1410		ug/Kg		82	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	1730	1350		ug/Kg		78	50 - 135

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	54		24 - 135
2-Fluorobiphenyl	68		33 - 135
2-Fluorophenol	66		39 - 135
Nitrobenzene-d5	60		32 - 135
Phenol-d5	67		39 - 135
Terphenyl-d14	78		30 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

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

Lab Sample ID: LCSD 280-513271/3-A
Matrix: Solid
Analysis Batch: 514736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513271

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dimethyl-3,4-Dinitrobenzene	1730	1450		ug/Kg		83	50 - 135	1	30
1,2-Dimethyl-3,5-Dinitrobenzene	1660	1370		ug/Kg		82	50 - 135	3	30
1,2-Dimethyl-3,6-Dinitrobenzene	1680	1380		ug/Kg		82	50 - 135	0	30
1,2-Dimethyl-4,5-Dinitrobenzene	1720	1430		ug/Kg		84	50 - 135	1	30
1,3-Dimethyl-2,4-Dinitrobenzene	1650	1360		ug/Kg		82	50 - 135	1	30
1,3-Dimethyl-2,5-Dinitrobenzene	1720	1360		ug/Kg		79	50 - 135	3	30
1,4-Dimethyl-2,3-Dinitrobenzene	1730	1440		ug/Kg		83	50 - 135	4	30
1,4-Dimethyl-2,5-Dinitrobenzene	1700	1380		ug/Kg		81	50 - 135	0	30
1,4-Dimethyl-2,6-Dinitrobenzene	1720	1350		ug/Kg		79	50 - 135	3	30
1,5-Dimethyl-2,3-Dinitrobenzene	1720	1440		ug/Kg		84	50 - 135	3	30
1,5-Dimethyl-2,4-Dinitrobenzene	1730	1390		ug/Kg		80	50 - 135	3	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	54		24 - 135
2-Fluorobiphenyl	67		33 - 135
2-Fluorophenol	63		39 - 135
Nitrobenzene-d5	59		32 - 135
Phenol-d5	65		39 - 135
Terphenyl-d14	81		30 - 135

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Lab Sample ID: MB 280-513083/1-A
Matrix: Water
Analysis Batch: 514789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513083

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3,5-Trinitrobenzene	0.017	U	0.10	0.017	ug/L		10/19/20 08:04	10/29/20 22:07	1
1,3-Dinitrobenzene	0.014	U	0.10	0.014	ug/L		10/19/20 08:04	10/29/20 22:07	1
2,3-Dinitrotoluene	0.015	U	0.10	0.015	ug/L		10/19/20 08:04	10/29/20 22:07	1
2,4,6-Trinitro-3-xylene	0.012	U	0.10	0.012	ug/L		10/19/20 08:04	10/29/20 22:07	1
2,4,6-Trinitrotoluene	0.022	U	0.10	0.022	ug/L		10/19/20 08:04	10/29/20 22:07	1
2,4-Dinitrotoluene	0.019	U	0.10	0.019	ug/L		10/19/20 08:04	10/29/20 22:07	1
2,5-Dinitrotoluene	0.014	U	0.10	0.014	ug/L		10/19/20 08:04	10/29/20 22:07	1
2,6-Dinitrotoluene	0.022	U	0.10	0.022	ug/L		10/19/20 08:04	10/29/20 22:07	1
2-Amino-4,6-dinitrotoluene	0.021	U	0.10	0.021	ug/L		10/19/20 08:04	10/29/20 22:07	1
2-Nitrotoluene	0.022	U	0.10	0.022	ug/L		10/19/20 08:04	10/29/20 22:07	1
3,4-Dinitrotoluene	0.020	U	0.10	0.020	ug/L		10/19/20 08:04	10/29/20 22:07	1
3,5-Dinitrotoluene	0.034	U	0.10	0.034	ug/L		10/19/20 08:04	10/29/20 22:07	1
3-Nitrotoluene	0.025	U	0.10	0.025	ug/L		10/19/20 08:04	10/29/20 22:07	1
4-Amino-2,6-dinitrotoluene	0.019	U	0.10	0.019	ug/L		10/19/20 08:04	10/29/20 22:07	1
4-Nitrotoluene	0.026	U	0.10	0.026	ug/L		10/19/20 08:04	10/29/20 22:07	1
HMX	0.019	U	0.10	0.019	ug/L		10/19/20 08:04	10/29/20 22:07	1
Nitrobenzene	0.033	U	0.10	0.033	ug/L		10/19/20 08:04	10/29/20 22:07	1
Nitroglycerin	0.017	U	0.14	0.017	ug/L		10/19/20 08:04	10/29/20 22:07	1
PETN	0.018	U	0.10	0.018	ug/L		10/19/20 08:04	10/29/20 22:07	1
RDX	0.021	U	0.10	0.021	ug/L		10/19/20 08:04	10/29/20 22:07	1
Tetryl	0.021	U	0.10	0.021	ug/L		10/19/20 08:04	10/29/20 22:07	1

Eurofins TestAmerica, Denver

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: MB 280-513083/1-A
Matrix: Water
Analysis Batch: 514789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513083

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	84		48 - 130	10/19/20 08:04	10/29/20 22:07	1

Lab Sample ID: LCS 280-513083/2-A
Matrix: Water
Analysis Batch: 514789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513083

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,3,5-Trinitrobenzene	0.500	0.539		ug/L		108	48 - 135
1,3-Dinitrobenzene	0.500	0.466		ug/L		93	64 - 122
2,3-Dinitrotoluene	0.500	0.472		ug/L		94	50 - 150
2,4,6-Trinitro-3-xylene	0.500	0.494		ug/L		99	50 - 150
2,4,6-Trinitrotoluene	0.500	0.503		ug/L		101	10 - 145
2,4-Dinitrotoluene	0.500	0.457		ug/L		91	55 - 117
2,5-Dinitrotoluene	0.500	0.472		ug/L		94	50 - 150
2,6-Dinitrotoluene	0.500	0.482		ug/L		96	54 - 123
2-Amino-4,6-dinitrotoluene	0.500	0.473		ug/L		95	47 - 134
2-Nitrotoluene	0.500	0.439		ug/L		88	25 - 127
3,4-Dinitrotoluene	0.501	0.483		ug/L		97	50 - 150
3,5-Dinitrotoluene	0.500	0.467		ug/L		93	50 - 150
3-Nitrotoluene	0.500	0.436		ug/L		87	18 - 123
4-Amino-2,6-dinitrotoluene	0.500	0.465		ug/L		93	50 - 139
4-Nitrotoluene	0.500	0.442		ug/L		88	27 - 128
HMX	0.500	0.396		ug/L		79	63 - 119
Nitrobenzene	0.500	0.455		ug/L		91	39 - 131
Nitroglycerin	0.500	0.518		ug/L		104	60 - 121
PETN	0.500	0.495		ug/L		99	46 - 151
RDX	0.500	0.523		ug/L		105	71 - 127
Tetryl	0.500	0.545		ug/L		109	15 - 134

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	88		48 - 130

Lab Sample ID: 280-141547-8 MS
Matrix: Water
Analysis Batch: 514789

Client Sample ID: SW2020-SW-I001
Prep Type: Total/NA
Prep Batch: 513083

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
1,3,5-Trinitrobenzene	0.017	U	0.482	0.385		ug/L		80	48 - 135
1,3-Dinitrobenzene	0.014	U	0.482	0.475		ug/L		98	64 - 122
2,3-Dinitrotoluene	0.021	J	0.482	0.520		ug/L		104	50 - 150
2,4,6-Trinitro-3-xylene	0.012	U	0.482	0.474		ug/L		98	50 - 150
2,4,6-Trinitrotoluene	0.022	U	0.482	0.509		ug/L		106	10 - 145
2,4-Dinitrotoluene	0.019	J	0.482	0.468		ug/L		93	55 - 117
2,5-Dinitrotoluene	0.014	U	0.482	0.485		ug/L		101	50 - 150
2,6-Dinitrotoluene	0.054	J	0.482	0.516		ug/L		96	54 - 123
2-Amino-4,6-dinitrotoluene	0.13		0.482	0.539		ug/L		85	47 - 134
2-Nitrotoluene	0.12		0.482	0.581		ug/L		95	25 - 127
3,4-Dinitrotoluene	0.023	J	0.483	0.507		ug/L		100	50 - 150

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: 280-141547-8 MS

Matrix: Water

Analysis Batch: 514789

Client Sample ID: SW2020-SW-I001

Prep Type: Total/NA

Prep Batch: 513083

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
3,5-Dinitrotoluene	0.033	U	0.482	0.467		ug/L		97		50 - 150
3-Nitrotoluene	0.025	U	0.482	0.480		ug/L		100		18 - 123
4-Amino-2,6-dinitrotoluene	0.22		0.482	0.594		ug/L		78		50 - 139
4-Nitrotoluene	0.026	U	0.482	0.501		ug/L		104		27 - 128
Nitrobenzene	0.032	U	0.482	0.438		ug/L		91		39 - 131
Nitroglycerin	0.017	U	0.482	0.553		ug/L		115		60 - 121
PETN	0.018	U	0.482	0.448		ug/L		93		46 - 151
RDX	0.021	U	0.482	0.477		ug/L		99		71 - 127
Tetryl	0.021	U	0.482	0.308		ug/L		64		15 - 134
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
Nitrobenzene-d5	92		48 - 130							

Lab Sample ID: 280-141547-8 MSD

Matrix: Water

Analysis Batch: 514789

Client Sample ID: SW2020-SW-I001

Prep Type: Total/NA

Prep Batch: 513083

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
1,3,5-Trinitrobenzene	0.017	U	0.488	0.418		ug/L		86		48 - 135	8	52
1,3-Dinitrobenzene	0.014	U	0.488	0.516		ug/L		106		64 - 122	8	30
2,3-Dinitrotoluene	0.021	J	0.488	0.525		ug/L		103		50 - 150	1	30
2,4,6-Trinitro-3-xylene	0.012	U	0.488	0.471		ug/L		96		50 - 150	1	30
2,4,6-Trinitrotoluene	0.022	U	0.488	0.472		ug/L		97		10 - 145	7	70
2,4-Dinitrotoluene	0.019	J	0.488	0.501		ug/L		99		55 - 117	7	27
2,5-Dinitrotoluene	0.014	U	0.488	0.479		ug/L		98		50 - 150	1	50
2,6-Dinitrotoluene	0.054	J	0.488	0.566		ug/L		105		54 - 123	9	46
2-Amino-4,6-dinitrotoluene	0.13		0.488	0.603		ug/L		97		47 - 134	11	52
2-Nitrotoluene	0.12		0.488	0.608		ug/L		100		25 - 127	5	67
3,4-Dinitrotoluene	0.023	J	0.489	0.537		ug/L		105		50 - 150	6	30
3,5-Dinitrotoluene	0.033	U	0.488	0.530		ug/L		108		50 - 150	12	30
3-Nitrotoluene	0.025	U	0.488	0.486		ug/L		99		18 - 123	1	75
4-Amino-2,6-dinitrotoluene	0.22		0.488	0.701		ug/L		99		50 - 139	16	68
4-Nitrotoluene	0.026	U	0.488	0.492		ug/L		101		27 - 128	2	70
Nitrobenzene	0.032	U	0.488	0.515		ug/L		106		39 - 131	16	55
Nitroglycerin	0.017	U	0.488	0.502		ug/L		103		60 - 121	10	62
PETN	0.018	U	0.488	0.517		ug/L		106		46 - 151	14	79
RDX	0.021	U	0.488	0.417		ug/L		85		71 - 127	13	26
Tetryl	0.021	U	0.488	0.402		ug/L		82		15 - 134	27	58
MSD MSD												
Surrogate	%Recovery	Qualifier	Limits									
Nitrobenzene-d5	93		48 - 130									

Lab Sample ID: MB 280-514165/1-A

Matrix: Solid

Analysis Batch: 514788

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 514165

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3,5-Trinitrobenzene	13	U	100	13	ug/Kg		10/26/20 17:47	10/29/20 13:01	1

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QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: MB 280-514165/1-A
Matrix: Solid
Analysis Batch: 514788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514165

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3-Dinitrobenzene	7.1	U	100	7.1	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
2,4,6-Trinitro-3-xylene	4.1	U	100	4.1	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
2,4,6-Trinitrotoluene	5.0	U	100	5.0	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
2,4-Dinitrotoluene	8.2	U	100	8.2	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
2,6-Dinitrotoluene	20	U	100	20	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
2-Amino-4,6-dinitrotoluene	12	U	100	12	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
2-Nitrotoluene	5.7	U	100	5.7	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
3,4-Dinitrotoluene	10	U	100	10	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
3,5-Dinitrotoluene	21	U	100	21	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
3-Nitrotoluene	13	U	100	13	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
4-Amino-2,6-dinitrotoluene	5.1	U	100	5.1	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
4-Nitrotoluene	11	U	100	11	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
HMX	15	U	100	15	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
Nitrobenzene	11	U	100	11	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
Nitroglycerin	11	U	100	11	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
PETN	5.2	U	100	5.2	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
RDX	4.3	U	100	4.3	ug/Kg		10/26/20 17:47	10/29/20 13:01	1
Tetryl	7.6	U	100	7.6	ug/Kg		10/26/20 17:47	10/29/20 13:01	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	106		68 - 140	10/26/20 17:47	10/29/20 13:01	1

Lab Sample ID: LCS 280-514165/2-A
Matrix: Solid
Analysis Batch: 514788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,3-Dinitrobenzene	400	374		ug/Kg		93	74 - 130
2,4,6-Trinitrotoluene	400	400		ug/Kg		100	60 - 135
2,4-Dinitrotoluene	400	349		ug/Kg		87	63 - 130
2,6-Dinitrotoluene	400	385		ug/Kg		96	65 - 133
2-Amino-4,6-dinitrotoluene	400	448		ug/Kg		112	51 - 148
2-Nitrotoluene	400	377		ug/Kg		94	59 - 150
3-Nitrotoluene	400	365		ug/Kg		91	56 - 154
4-Amino-2,6-dinitrotoluene	400	406		ug/Kg		102	60 - 141
4-Nitrotoluene	400	391		ug/Kg		98	72 - 145
HMX	400	388		ug/Kg		97	48 - 131
Nitrobenzene	400	365		ug/Kg		91	70 - 140
Nitroglycerin	400	396		ug/Kg		99	27 - 146
PETN	400	355		ug/Kg		89	31 - 171
RDX	400	437		ug/Kg		109	69 - 130
Tetryl	400	422		ug/Kg		106	10 - 170

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	99		68 - 140

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: LCS 280-514165/3-A
Matrix: Solid
Analysis Batch: 514788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514165
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,6-Trinitro-3-xylene	400	375		ug/Kg		94	50 - 150
3,4-Dinitrotoluene	400	356		ug/Kg		89	50 - 150
3,5-Dinitrotoluene	400	356		ug/Kg		89	50 - 150
		LCS LCS					
Surrogate	%Recovery	Qualifier	Limits				
Nitrobenzene-d5	95		68 - 140				

Lab Sample ID: 280-141547-5 MS
Matrix: Solid
Analysis Batch: 514788

Client Sample ID: SW2020-SED-K001
Prep Type: Total/NA
Prep Batch: 514165
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,3,5-Trinitrobenzene	16	U	471	480		ug/Kg	☼	102	45 - 142
1,3-Dinitrobenzene	8.9	U	471	431		ug/Kg	☼	92	74 - 130
2,4,6-Trinitrotoluene	6.3	U	471	443		ug/Kg	☼	94	60 - 135
2,4-Dinitrotoluene	10	U	471	407		ug/Kg	☼	86	63 - 130
2,6-Dinitrotoluene	25	U	471	447		ug/Kg	☼	95	65 - 133
2-Amino-4,6-dinitrotoluene	15	U	471	492		ug/Kg	☼	104	51 - 148
2-Nitrotoluene	7.2	U	471	441		ug/Kg	☼	94	59 - 150
3-Nitrotoluene	16	U	471	420		ug/Kg	☼	89	56 - 154
4-Amino-2,6-dinitrotoluene	6.4	U	471	450		ug/Kg	☼	96	60 - 141
4-Nitrotoluene	14	U	471	432		ug/Kg	☼	92	72 - 145
HMX	19	U	471	399		ug/Kg	☼	85	48 - 131
Nitrobenzene	13	U	471	437		ug/Kg	☼	93	70 - 140
Nitroglycerin	13	U	471	451		ug/Kg	☼	96	27 - 146
PETN	6.4	U	471	460		ug/Kg	☼	98	31 - 171
RDX	5.4	U	471	524		ug/Kg	☼	111	69 - 130
Tetryl	9.5	U	471	417		ug/Kg	☼	88	10 - 170
		MS MS							
Surrogate	%Recovery	Qualifier	Limits						
Nitrobenzene-d5	79		68 - 140						

Lab Sample ID: 280-141547-5 MS
Matrix: Solid
Analysis Batch: 514788

Client Sample ID: SW2020-SED-K001
Prep Type: Total/NA
Prep Batch: 514165
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2,4,6-Trinitro-3-xylene	5.1	U	478	504		ug/Kg	☼	106	50 - 150
3,4-Dinitrotoluene	12	U	478	470		ug/Kg	☼	98	50 - 150
3,5-Dinitrotoluene	26	U	478	485		ug/Kg	☼	101	50 - 150
		MS MS							
Surrogate	%Recovery	Qualifier	Limits						
Nitrobenzene-d5	89		68 - 140						

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: 280-141547-5 MSD

Matrix: Solid
 Analysis Batch: 514788

Client Sample ID: SW2020-SED-K001

Prep Type: Total/NA
 Prep Batch: 514165

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,3,5-Trinitrobenzene	16	U	481	462		ug/Kg	⊛	96	45 - 142	4	70	
1,3-Dinitrobenzene	8.9	U	481	429		ug/Kg	⊛	89	74 - 130	0	25	
2,4,6-Trinitrotoluene	6.3	U	481	410		ug/Kg	⊛	85	60 - 135	8	25	
2,4-Dinitrotoluene	10	U	481	392		ug/Kg	⊛	82	63 - 130	4	25	
2,6-Dinitrotoluene	25	U	481	409		ug/Kg	⊛	85	65 - 133	9	25	
2-Amino-4,6-dinitrotoluene	15	U	481	475		ug/Kg	⊛	99	51 - 148	3	25	
2-Nitrotoluene	7.2	U	481	411		ug/Kg	⊛	85	59 - 150	7	45	
3-Nitrotoluene	16	U	481	418		ug/Kg	⊛	87	56 - 154	1	25	
4-Amino-2,6-dinitrotoluene	6.4	U	481	423		ug/Kg	⊛	88	60 - 141	6	48	
4-Nitrotoluene	14	U	481	413		ug/Kg	⊛	86	72 - 145	4	25	
HMX	19	U	481	388		ug/Kg	⊛	81	48 - 131	3	25	
Nitrobenzene	13	U	481	412		ug/Kg	⊛	86	70 - 140	6	25	
Nitroglycerin	13	U	481	449		ug/Kg	⊛	93	27 - 146	0	92	
PETN	6.4	U	481	430		ug/Kg	⊛	89	31 - 171	7	40	
RDX	5.4	U	481	537		ug/Kg	⊛	112	69 - 130	2	25	
Tetryl	9.5	U	481	443		ug/Kg	⊛	92	10 - 170	6	50	
MSD MSD												
Surrogate	%Recovery	Qualifier	Limits									
Nitrobenzene-d5	90		68 - 140									

Lab Sample ID: 280-141547-5 MSD

Matrix: Solid
 Analysis Batch: 514788

Client Sample ID: SW2020-SED-K001

Prep Type: Total/NA
 Prep Batch: 514165

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
2,4,6-Trinitro-3-xylene	5.1	U	489	435		ug/Kg	⊛	89	50 - 150	15	30	
3,4-Dinitrotoluene	12	U	490	418		ug/Kg	⊛	85	50 - 150	12	30	
3,5-Dinitrotoluene	26	U	489	450		ug/Kg	⊛	92	50 - 150	7	30	
MSD MSD												
Surrogate	%Recovery	Qualifier	Limits									
Nitrobenzene-d5	90		68 - 140									

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) - DL

Lab Sample ID: 280-141547-8 MS

Matrix: Water
 Analysis Batch: 514789

Client Sample ID: SW2020-SW-I001

Prep Type: Total/NA
 Prep Batch: 513083

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
HMX - DL	0.37	U	0.482	0.550	J	ug/L		114	63 - 119			
MS MS												
Surrogate	%Recovery	Qualifier	Limits									
Nitrobenzene-d5 - DL	108	D	48 - 130									

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) - DL (Continued)

Lab Sample ID: 280-141547-8 MSD
Matrix: Water
Analysis Batch: 514789

Client Sample ID: SW2020-SW-I001
Prep Type: Total/NA
Prep Batch: 513083

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HMX - DL	0.37	U	0.488	0.474	J	ug/L		97	63 - 119	15	48
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Nitrobenzene-d5 - DL	124	D	48 - 130								

Method: D 2216-90 - ASTM D 2216-90

Lab Sample ID: 160-39843-B-26 DU
Matrix: Solid
Analysis Batch: 513520

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	1.5		1.1	F3	%		33	20

Lab Sample ID: 280-141707-A-1 DU
Matrix: Solid
Analysis Batch: 513520

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	18.6		20.5		%		10	20

QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

GC/MS Semi VOA

Prep Batch: 513165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-8	SW2020-SW-I001	Total/NA	Water	3520C	
280-141547-9	SW2020-SW-K001	Total/NA	Water	3520C	
MB 280-513165/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-513165/2-A	Lab Control Sample	Total/NA	Water	3520C	
280-141547-8 MS	SW2020-SW-I001	Total/NA	Water	3520C	
280-141547-8 MSD	SW2020-SW-I001	Total/NA	Water	3520C	

Prep Batch: 513271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-1	SW2020-SED-B002	Total/NA	Solid	3550C	
280-141547-2	SW2020-SED-B001	Total/NA	Solid	3550C	
280-141547-3	SW2020-SED-C001	Total/NA	Solid	3550C	
280-141547-4	SW2020-SED-D001	Total/NA	Solid	3550C	
280-141547-5	SW2020-SED-K001	Total/NA	Solid	3550C	
280-141547-6	SW2020-SED-I001	Total/NA	Solid	3550C	
280-141547-7	SW2020-SED-F001	Total/NA	Solid	3550C	
MB 280-513271/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 280-513271/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 280-513271/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 514736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-1	SW2020-SED-B002	Total/NA	Solid	8270C	513271
280-141547-2	SW2020-SED-B001	Total/NA	Solid	8270C	513271
280-141547-4	SW2020-SED-D001	Total/NA	Solid	8270C	513271
280-141547-5	SW2020-SED-K001	Total/NA	Solid	8270C	513271
280-141547-6	SW2020-SED-I001	Total/NA	Solid	8270C	513271
280-141547-8	SW2020-SW-I001	Total/NA	Water	8270C	513165
280-141547-9	SW2020-SW-K001	Total/NA	Water	8270C	513165
MB 280-513165/1-A	Method Blank	Total/NA	Water	8270C	513165
MB 280-513271/1-A	Method Blank	Total/NA	Solid	8270C	513271
LCS 280-513165/2-A	Lab Control Sample	Total/NA	Water	8270C	513165
LCS 280-513271/2-A	Lab Control Sample	Total/NA	Solid	8270C	513271
LCSD 280-513271/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	513271
280-141547-8 MS	SW2020-SW-I001	Total/NA	Water	8270C	513165
280-141547-8 MSD	SW2020-SW-I001	Total/NA	Water	8270C	513165

Analysis Batch: 514892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-3	SW2020-SED-C001	Total/NA	Solid	8270C	513271
280-141547-7	SW2020-SED-F001	Total/NA	Solid	8270C	513271

LCMS

Prep Batch: 513083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-8 - DL	SW2020-SW-I001	Total/NA	Water	3535	
280-141547-8	SW2020-SW-I001	Total/NA	Water	3535	
280-141547-9	SW2020-SW-K001	Total/NA	Water	3535	
280-141547-9 - DL	SW2020-SW-K001	Total/NA	Water	3535	
MB 280-513083/1-A	Method Blank	Total/NA	Water	3535	

Eurofins TestAmerica, Denver

QC Association Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

LCMS (Continued)

Prep Batch: 513083 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-513083/2-A	Lab Control Sample	Total/NA	Water	3535	
280-141547-8 MS	SW2020-SW-I001	Total/NA	Water	3535	
280-141547-8 MS - DL	SW2020-SW-I001	Total/NA	Water	3535	
280-141547-8 MSD	SW2020-SW-I001	Total/NA	Water	3535	
280-141547-8 MSD - DL	SW2020-SW-I001	Total/NA	Water	3535	

ISM Prep Batch: 513706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-1	SW2020-SED-B002	Total/NA	Solid	Increment, prep	
280-141547-2	SW2020-SED-B001	Total/NA	Solid	Increment, prep	
280-141547-3	SW2020-SED-C001	Total/NA	Solid	Increment, prep	
280-141547-4	SW2020-SED-D001	Total/NA	Solid	Increment, prep	
280-141547-5	SW2020-SED-K001	Total/NA	Solid	Increment, prep	
280-141547-6	SW2020-SED-I001	Total/NA	Solid	Increment, prep	
280-141547-7	SW2020-SED-F001	Total/NA	Solid	Increment, prep	
280-141547-5 MS	SW2020-SED-K001	Total/NA	Solid	Increment, prep	
280-141547-5 MSD	SW2020-SED-K001	Total/NA	Solid	Increment, prep	

Prep Batch: 514165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-1	SW2020-SED-B002	Total/NA	Solid	8330B	513706
280-141547-2	SW2020-SED-B001	Total/NA	Solid	8330B	513706
280-141547-3	SW2020-SED-C001	Total/NA	Solid	8330B	513706
280-141547-4	SW2020-SED-D001	Total/NA	Solid	8330B	513706
280-141547-5	SW2020-SED-K001	Total/NA	Solid	8330B	513706
280-141547-6	SW2020-SED-I001	Total/NA	Solid	8330B	513706
280-141547-7	SW2020-SED-F001	Total/NA	Solid	8330B	513706
MB 280-514165/1-A	Method Blank	Total/NA	Solid	8330B	
LCS 280-514165/2-A	Lab Control Sample	Total/NA	Solid	8330B	
LCS 280-514165/3-A	Lab Control Sample	Total/NA	Solid	8330B	
280-141547-5 MS	SW2020-SED-K001	Total/NA	Solid	8330B	513706
280-141547-5 MS	SW2020-SED-K001	Total/NA	Solid	8330B	513706
280-141547-5 MSD	SW2020-SED-K001	Total/NA	Solid	8330B	513706
280-141547-5 MSD	SW2020-SED-K001	Total/NA	Solid	8330B	513706

Analysis Batch: 514788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-1	SW2020-SED-B002	Total/NA	Solid	8321A	514165
280-141547-2	SW2020-SED-B001	Total/NA	Solid	8321A	514165
280-141547-3	SW2020-SED-C001	Total/NA	Solid	8321A	514165
280-141547-4	SW2020-SED-D001	Total/NA	Solid	8321A	514165
280-141547-5	SW2020-SED-K001	Total/NA	Solid	8321A	514165
280-141547-6	SW2020-SED-I001	Total/NA	Solid	8321A	514165
280-141547-7	SW2020-SED-F001	Total/NA	Solid	8321A	514165
MB 280-514165/1-A	Method Blank	Total/NA	Solid	8321A	514165
LCS 280-514165/2-A	Lab Control Sample	Total/NA	Solid	8321A	514165
LCS 280-514165/3-A	Lab Control Sample	Total/NA	Solid	8321A	514165
280-141547-5 MS	SW2020-SED-K001	Total/NA	Solid	8321A	514165
280-141547-5 MS	SW2020-SED-K001	Total/NA	Solid	8321A	514165
280-141547-5 MSD	SW2020-SED-K001	Total/NA	Solid	8321A	514165
280-141547-5 MSD	SW2020-SED-K001	Total/NA	Solid	8321A	514165

Eurofins TestAmerica, Denver

QC Association Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

LCMS

Analysis Batch: 514789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-8	SW2020-SW-I001	Total/NA	Water	8321A	513083
280-141547-8 - DL	SW2020-SW-I001	Total/NA	Water	8321A	513083
280-141547-9	SW2020-SW-K001	Total/NA	Water	8321A	513083
280-141547-9 - DL	SW2020-SW-K001	Total/NA	Water	8321A	513083
MB 280-513083/1-A	Method Blank	Total/NA	Water	8321A	513083
LCS 280-513083/2-A	Lab Control Sample	Total/NA	Water	8321A	513083
280-141547-8 MS	SW2020-SW-I001	Total/NA	Water	8321A	513083
280-141547-8 MS - DL	SW2020-SW-I001	Total/NA	Water	8321A	513083
280-141547-8 MSD	SW2020-SW-I001	Total/NA	Water	8321A	513083
280-141547-8 MSD - DL	SW2020-SW-I001	Total/NA	Water	8321A	513083

General Chemistry

Analysis Batch: 513520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-141547-1	SW2020-SED-B002	Total/NA	Solid	D 2216-90	
280-141547-2	SW2020-SED-B001	Total/NA	Solid	D 2216-90	
280-141547-3	SW2020-SED-C001	Total/NA	Solid	D 2216-90	
280-141547-4	SW2020-SED-D001	Total/NA	Solid	D 2216-90	
280-141547-5	SW2020-SED-K001	Total/NA	Solid	D 2216-90	
280-141547-6	SW2020-SED-I001	Total/NA	Solid	D 2216-90	
280-141547-7	SW2020-SED-F001	Total/NA	Solid	D 2216-90	
160-39843-B-26 DU	Duplicate	Total/NA	Solid	D 2216-90	
280-141707-A-1 DU	Duplicate	Total/NA	Solid	D 2216-90	

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-B002

Lab Sample ID: 280-141547-1

Date Collected: 10/12/20 13:40

Matrix: Solid

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:30	BWH	TAL DEN

Client Sample ID: SW2020-SED-B002

Lab Sample ID: 280-141547-1

Date Collected: 10/12/20 13:40

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 56.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.4 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 01:27	MKW	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.56 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 14:37	AGCM	TAL DEN

Client Sample ID: SW2020-SED-B001

Lab Sample ID: 280-141547-2

Date Collected: 10/12/20 13:55

Matrix: Solid

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:35	BWH	TAL DEN

Client Sample ID: SW2020-SED-B001

Lab Sample ID: 280-141547-2

Date Collected: 10/12/20 13:55

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 52.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.7 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 01:55	MKW	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.79 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 15:09	AGCM	TAL DEN

Client Sample ID: SW2020-SED-C001

Lab Sample ID: 280-141547-3

Date Collected: 10/12/20 14:25

Matrix: Solid

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:35	BWH	TAL DEN

Client Sample ID: SW2020-SED-C001

Lab Sample ID: 280-141547-3

Date Collected: 10/12/20 14:25

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 27.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.6 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		4			514892	10/30/20 20:30	MKW	TAL DEN

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-C001

Lab Sample ID: 280-141547-3

Date Collected: 10/12/20 14:25

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 27.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			4.73 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 15:41	AGCM	TAL DEN

Client Sample ID: SW2020-SED-D001

Lab Sample ID: 280-141547-4

Date Collected: 10/12/20 14:40

Matrix: Solid

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 16:56	BWH	TAL DEN

Client Sample ID: SW2020-SED-D001

Lab Sample ID: 280-141547-4

Date Collected: 10/12/20 14:40

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.1 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 02:51	MKW	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.82 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 16:13	AGCM	TAL DEN

Client Sample ID: SW2020-SED-K001

Lab Sample ID: 280-141547-5

Date Collected: 10/12/20 15:05

Matrix: Solid

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:30	BWH	TAL DEN

Client Sample ID: SW2020-SED-K001

Lab Sample ID: 280-141547-5

Date Collected: 10/12/20 15:05

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.1 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 03:20	MKW	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.18 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 17:18	AGCM	TAL DEN

Client Sample ID: SW2020-SED-I001

Lab Sample ID: 280-141547-6

Date Collected: 10/12/20 15:35

Matrix: Solid

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:30	BWH	TAL DEN

Eurofins TestAmerica, Denver

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-I001

Lab Sample ID: 280-141547-6

Date Collected: 10/12/20 15:35

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.1 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 03:48	MKW	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.95 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 19:59	AGCM	TAL DEN

Client Sample ID: SW2020-SED-F001

Lab Sample ID: 280-141547-7

Date Collected: 10/12/20 16:10

Matrix: Solid

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:30	BWH	TAL DEN

Client Sample ID: SW2020-SED-F001

Lab Sample ID: 280-141547-7

Date Collected: 10/12/20 16:10

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.4 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		4			514892	10/30/20 20:02	MKW	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.86 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 20:31	AGCM	TAL DEN

Client Sample ID: SW2020-SW-I001

Lab Sample ID: 280-141547-8

Date Collected: 10/12/20 15:30

Matrix: Water

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			865.2 mL	1 mL	513165	10/19/20 17:03	JNM	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/29/20 22:09	MKW	TAL DEN
Total/NA	Prep	3535			1018.9 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A		1			514789	10/29/20 23:12	AGCM	TAL DEN
Total/NA	Prep	3535	DL		1018.9 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A	DL	20			514789	10/30/20 01:20	AGCM	TAL DEN

Client Sample ID: SW2020-SW-K001

Lab Sample ID: 280-141547-9

Date Collected: 10/12/20 15:00

Matrix: Water

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1014.8 mL	1 mL	513165	10/19/20 17:03	JNM	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/29/20 23:34	MKW	TAL DEN
Total/NA	Prep	3535			1043 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A		1			514789	10/30/20 00:48	AGCM	TAL DEN

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: SW2020-SW-K001

Lab Sample ID: 280-141547-9

Date Collected: 10/12/20 15:00

Matrix: Water

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		1043 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A	DL	20			514789	10/30/20 02:57	AGCM	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-513083/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A		1			514789	10/29/20 22:07	AGCM	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-513165/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	513165	10/19/20 17:03	JNM	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/29/20 21:12	MKW	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-513271/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 00:02	MKW	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-514165/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8330B			10 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 13:01	AGCM	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-513083/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A		1			514789	10/29/20 22:40	AGCM	TAL DEN

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-141547-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-513165/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	513165	10/19/20 17:03	JNM	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/29/20 21:40	MKW	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-513271/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 00:30	MKW	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-514165/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8330B			10 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 13:33	AGCM	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-514165/3-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8330B			10 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 14:05	AGCM	TAL DEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 280-513271/3-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30 g	1 mL	513271	10/20/20 09:45	DB	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/30/20 00:58	MKW	TAL DEN

Client Sample ID: SW2020-SED-K001

Lab Sample ID: 280-141547-5 MS

Date Collected: 10/12/20 15:05

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.77 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 17:50	AGCM	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.62 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 18:54	AGCM	TAL DEN

Eurofins TestAmerica, Denver

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Client Sample ID: SW2020-SED-K001

Lab Sample ID: 280-141547-5 MSD

Date Collected: 10/12/20 15:05

Matrix: Solid

Date Received: 10/14/20 09:45

Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.55 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 18:22	AGCM	TAL DEN
Total/NA	ISM Prep	Increment, prep					513706	10/22/20 16:22	DCL	TAL DEN
Total/NA	Prep	8330B			10.37 g	40 mL	514165	10/26/20 17:47	TEH	TAL DEN
Total/NA	Analysis	8321A		1			514788	10/29/20 19:26	AGCM	TAL DEN

Client Sample ID: SW2020-SW-I001

Lab Sample ID: 280-141547-8 MS

Date Collected: 10/12/20 15:30

Matrix: Water

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1029.8 mL	1 mL	513165	10/19/20 17:03	JNM	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/29/20 22:37	MKW	TAL DEN
Total/NA	Prep	3535			1036.8 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A		1			514789	10/29/20 23:44	AGCM	TAL DEN
Total/NA	Prep	3535	DL		1036.8 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A	DL	20			514789	10/30/20 01:53	AGCM	TAL DEN

Client Sample ID: SW2020-SW-I001

Lab Sample ID: 280-141547-8 MSD

Date Collected: 10/12/20 15:30

Matrix: Water

Date Received: 10/14/20 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1031.4 mL	1 mL	513165	10/19/20 17:03	JNM	TAL DEN
Total/NA	Analysis	8270C		1			514736	10/29/20 23:05	MKW	TAL DEN
Total/NA	Prep	3535			1023.9 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A		1			514789	10/30/20 00:16	AGCM	TAL DEN
Total/NA	Prep	3535	DL		1023.9 mL	5 mL	513083	10/19/20 08:04	JT	TAL DEN
Total/NA	Analysis	8321A	DL	20			514789	10/30/20 02:25	AGCM	TAL DEN

Client Sample ID: Duplicate

Lab Sample ID: 160-39843-B-26 DU

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:30	BWH	TAL DEN

Client Sample ID: Duplicate

Lab Sample ID: 280-141707-A-1 DU

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			513520	10/21/20 15:30	BWH	TAL DEN

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-141547-1

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999615430	08-31-21

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Chain of Custody Record

Client Information

Client Contact: *Eric Schmidt/Den Nilsen*
 Sharon Nordstrom
 Company: *75 373-2100*
 The Chemours Company FC, LLC

Address: c/o AECOM Sabre Building, Suite 300 4051 Ogletown Road
 City: Newark
 State, Zip: DE, 19713
 Phone: 302-781-5936 (Tel)
 Email: *Normal/STANARD*

Project Name: BAR-Surface Water and Sediment Sampling 2020
 Site: Barksdale, WI

Lab PM: Johnston, Michelle A
 E-Mail: *Michelle.Johnston@Eurofinset.com*

Carrier Tracking No(s): *See Pg 2 of 2*
 COC No: 280-101455-30338.2
 Page: Page 1 of 2
 Job #:

Due Date Requested:
 TAT Requested (days):
 PO #: LBIO-67048/777201000-WH06-508001
 WO #:
 Project #: 28003388
 SSOV#:

Analysis Requested

Perform MS/MSD (Yes or No)

Field Filtered Sample (Yes or No)

8321A Explosive - (Dupont List + TNX + DNT)

Moisture - Percent Moisture

Special Instructions/Note:

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NeHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 M - Hexane
 N - None
 O - AsNeO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2SO4
 S - H2SO4
 T - TSP Dodecahydrate
 U - Acetone
 V - MCAA
 W - pH 4-5
 Z - other (specify)
 Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, G=gas, etc.)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8321A Explosive - (Dupont List + TNX + DNT)	Moisture - Percent Moisture	Total Number of Containers	Special Instructions/Note
SW2020-SED- <i>BooZ</i>	<i>10/12/2020</i>	<i>13:40</i>	<i>G</i>	Solid		<i>M</i>	<i>N</i>	<i>x</i>	<i>x</i>	<i>1</i>	<i>Cooler 3</i>
SW2020-SED- <i>Boo1</i>		<i>13:55</i>		Solid		<i>M</i>	<i>N</i>	<i>x</i>	<i>x</i>	<i>1</i>	<i>Cooler 3</i>
SW2020-SED- <i>Coo1</i>		<i>14:25</i>		Solid		<i>M</i>	<i>N</i>	<i>x</i>	<i>x</i>	<i>1</i>	<i>Cooler 1</i>
SW2020-SED- <i>Doo1</i>		<i>14:40</i>		Solid		<i>M</i>	<i>N</i>	<i>x</i>	<i>x</i>	<i>1</i>	<i>Cooler 3</i>
SW2020-SED- <i>Koo1</i>		<i>15:05</i>		Solid		<i>M</i>	<i>N</i>	<i>x</i>	<i>x</i>	<i>3</i>	<i>Cooler 1</i>
SW2020-SED- <i>Ioo1</i>		<i>15:35</i>		Solid		<i>M</i>	<i>N</i>	<i>x</i>	<i>x</i>	<i>3</i>	<i>Cooler 2</i>
SW2020-SED- <i>Foo1</i>		<i>16:10</i>		Solid		<i>M</i>	<i>N</i>	<i>x</i>	<i>x</i>	<i>3</i>	<i>Cooler 1</i>
SW2020-SED-				Solid				<i>x</i>	<i>x</i>		
SW2020-SED-				Solid				<i>x</i>	<i>x</i>		
SW2020-SED-				Solid				<i>x</i>	<i>x</i>		
SW2020-SED-				Solid				<i>x</i>	<i>x</i>		

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant
 Deliverable Requested: I, II, III, IV, Other (specify)
 Empty Kit Relinquished by: *[Signature]*
 Relinquished by: *[Signature]*
 Relinquished by: *[Signature]*
 Custody Seal No.: *1375808, 1375809*
 Cooler Temperature(s) °C and Other Remarks: *3.5C, 1.8C CF-0.3C IR#11*

Sample Disposal (A fee may be assessed)
 Return To Client Disposal By Lab Archive For Months
 Special Instructions/QC Requirements:

Received by: *[Signature]*
 Date/Time: *10/13/2020 12:00*
 Company: *AECOM*

Received by: *[Signature]*
 Date/Time: *10/14/20 0945*
 Company: *ETA Denver*

Received by:
 Date/Time:
 Company:

Received by:
 Date/Time:
 Company:

Received by:
 Date/Time:
 Company:

Received by:
 Date/Time:
 Company:

Chain of Custody Record

Client Information
 Sharon Nordstrom
 The Chemours Company FC, LLC
 Address: c/o AECOM Sabre Building, Suite 300 4051 Ogletown Road
 City: Newark
 State, Zip: DE, 19713
 Phone: 302-781-5936(Tel)
 Email: sharon.nordstrom@aecom.com
 Project Name: BAR-Surface Water and Sediment Sampling 2020
 Site: Barksdale, WI

Sampler: ERIC SCHMIDT / DES NIELSEN
Lab PM: Johnston, Michelle A
Carrier Tracking No(s): 2: 1926 7803 0088
Phone: 715-373-2100
E-Mail: Michelle.Johnston@Eurofinset.com
Job #: 0077
Page 2 of 2

Due Date Requested: No Sample / Site Data
TAT Requested (days): ↓
PO #: LBIO-67048/777201000-WH06-508001
WO #:
Project #: 28003388
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, On-water)	Field Filtered Sample (Yes or No)		Form MS/MSD (Yes or No)		8321A Explosive - (DuPont List + TNX + DNT)		Special Instructions/Note:
					Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	N	N	N	N	
SW2020-SW-1001	10/12/2020	15:30	G	Water	Y	Y	X	X	X	X	4 Cooler 3
SW2020-SW-1001-MS	10/12/2020	15:30	G	Water	Y	Y	X	X	X	X	4 Cooler 2, Cooler 4
SW2020-SW-1001-MSD	↓	15:30	G	Water	Y	Y	X	X	X	X	4 Cooler 4
SW2020-SW-1001	↓	15:00	G	Water	N	N	X	X	X	X	4 Cooler 1

Analysis Requested

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 Other:

Preservation Codes:
 M - Hexane
 N - None
 O - AsNaO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2SO3
 S - H2SO4
 T - TSP Dodecahydrate
 U - Acetone
 V - MCAA
 W - pH 4-5
 Z - other (specify)

Special Instructions/Note:
 Total Number of containers: 4
 4 Cooler 3
 4 Cooler 2, Cooler 4
 4 Cooler 4
 4 Cooler 1

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Relinquished by: No
Relinquished by: S. Schmidt
Relinquished by:
Relinquished by:

Received by: [Signature]
Received by:
Received by:

Date/Time: 10/13/2020 12:00
Date/Time:
Date/Time:

Company: AECOM
Company:
Company:

Method of Shipment:

Cooler Temperature(s) °C and Other Remarks: 3.5C, 1.8C CF-0.3C IR #11



Chain of Custody Record

Client Information
 Client Contact: Sharon Nordstrom
 Phone: 715-373-2100
 Company: The Chemours Company FC, LLC
 Address: c/o AECOM Sabre Building, Suite 300 4051 Ogletown Road
 City: Newark
 State, Zip: DE, 19713
 Phone: 302-781-5936 (Tel)
 Email: sharon.nordstrom@aecom.com
 Project Name: BAR-Surface Water and Sediment Sampling 2020
 Site: Barksdale, WI

Sampler: Lab PM: Johnston, Michelle A
 Phone: ERIC SCHWARTZ/DES NIELSEN
 E-Mail: Michelle.Johnston@Eurofinset.com

Carrier Tracking No(s): 280-101455-30338.2
3: 1926 7803 0088
4: 0077
Job #: 0099

Analysis Requested

Due Date Requested: No. 2020/10/14
 TAT Requested (days):
 PO #: LBIO-67048/777201000-WH06-508001
 WO #:
 Project #: 28003388
 SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=water/oli)	Field Filtered Sample (Yes or No)		8321A Explosive - (DuPont List + TNX + DNT)		8270C-DNX		Special Instructions/Note:
					Form MS/MSD (Yes or No)	Field Filtered Sample (Yes or No)	N	N	N	N	
SW2020-SW-1001	10/12/2020	15:30	G	Water	Y	Y	X	X	X	4	COVER 3
SW2020-SW-1001				Water			X	X	X		
SW2020-SW-1001 -MS	10/12/2020	15:30	G	Water	Y	Y	X	X	X	4	COVER 2, COVER 4
SW2020-SW-1001 -MSD		15:30	G	Water	Y	Y	X	X	X	4	COVER 4
SW2020-SW-1001		15:00	G	WATER	N	N	X	X	X	4	COVER 1

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: No
 Relinquished by: [Signature]
 Relinquished by:
 Relinquished by:

Custody Seals Intact: Custody Seal No.:
 A Yes A No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For Months

Special Instructions/QC Requirements:

Received by: [Signature] Date/Time: 10/13/2020 12:00
 Received by: [Signature] Date/Time: 10/15/20 0945
 Received by: [Signature] Date/Time:

Company: AECOM Company: ETAP DENVER Company: Company:

Method of Shipment: Cooler Temperature(s) °C and Other Remarks: 2,4C CF-0,3C IR 11



Chain of Custody Record



Client Information Client Contact: Sharon Nordstrom Company: The Chemours Company FC, LLC Address: c/o AECOM Sabre Building, Suite 300 4051 Ogletown Road City: Newark State, Zip: DE, 19713 Phone: 302-781-5936(Tel) Email: sharon.nordstrom@aecom.com Project Name: BAR-Surface Water and Sediment Sampling 2020 Site: Barksdale, WI	Lab Pk: Johnston, Michelle A E-Mail: Michelle.Johnston@Eurofins.com	Carrier Tracking No(s): 2: 1926 7803 0088 3: ↓ 0077 4: ↓ 0079 Job #:	COC No: 280-101455-30338.2 Page: Page 2 of 2	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Archlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNCO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)					
Analysis Requested									
Due Date Requested: TAT Requested (days): PO #: LBIO-67048/777201000-WH06-508001 WO #: Project #: 28003388 SSOW#:	No: 2002/STP-2020 ↓	8321A Explosive - (DuPont List + TNX + DNT) 8270C -DNX	Total Number of containers: 4 4 4 4	Special Instructions/Note: Cooler 3 Cooler 2, Cooler 4 Cooler 4 Cooler 1					
Sample Identification SW2020-SW-1001 SW2020-SW-1001 SW2020-SW-1001-MS SW2020-SW-1001-MSD SW2020-SW-1001 SW2020-SW-1001	Sample Date 10/12/2020 10/12/2020 ↓ 15:00	Sample Time 15:30 15:30 15:30 15:00	Sample Type (C=Comp, G=grab) G G G G	Matrix (W=water, S=solid, O=wastewater, B=biological) Water Water Water Water WATER	Field Filtered Sample (Yes or No) N Y Y Y N	Perform MSD (Yes or No) N X X X X	8321A Explosive - (DuPont List + TNX + DNT) 8270C -DNX	Total Number of containers: 4 4 4 4	Special Instructions/Note: Cooler 3 Cooler 2, Cooler 4 Cooler 4 Cooler 1
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological									
Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by: <i>AS</i>									
Relinquished by: <i>SP</i>									
Relinquished by:									
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Custody Seal No.:									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/OC Requirements:									
Method of Shipment:									
Received by: <i>SP</i>									
Date/Time: 10/13/2020 12:00									
Company: AECOM									
Received by:									
Date/Time:									
Company:									
Received by:									
Date/Time:									
Company:									
Cooler Temperature(s) °C and Other Remarks:									



Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 280-141547-1

Login Number: 141547

List Source: Eurofins TestAmerica, Denver

List Number: 1

Creator: Johnston, Michelle A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Denver
4955 Yarrow Street
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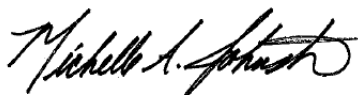
Laboratory Job ID: 280-142696-1

Client Project/Site: BAR-Surface Water and Sediment Sampling
2020

For:

The Chemours Company FC, LLC
c/o AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

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Authorized for release by:
12/3/2020 9:44:36 AM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Qualifiers

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.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

LCMS

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.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Job ID: 280-142696-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: The Chemours Company FC, LLC
Project: BAR-Surface Water and Sediment Sampling 2020
Report Number: 280-142696-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Throughout this report the MDL is equivalent to the LOD and the RL is equivalent to the LOQ. The LOD and LOQ have been adjusted for all dilutions performed.

The LOD and LOQ for soil samples have been dry weight adjusted.

Sample Arrival and Receipt

The samples were received on 11/12/2020 9:15 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3° C.

Receipt Exceptions

In accordance with the client's instruction received 11/10/2020, the project name was logged as BAR-Surface Water and Sediment Sampling 2020.

No other anomalies were observed during sample receipt.

Semivolatiles - Method 8270C DNX

Samples SW2020-SED-F001-2 (280-142696-1) and SW2020-SED-F001-3 (280-142696-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with SW846 Method 8270C. The samples were prepared on 11/17/2020 and analyzed on 12/01/2020.

The following sample could not be thoroughly homogenized before sub-sampling was performed due to sample matrix: SW2020-SED-F001-2 (280-142696-1). The sample was wet sand.

The following sample formed a biphasic layer during sample concentration after the S-Evap stage: SW2020-SED-F001-2 (280-142696-1). Top layer appears to be viscous. The sample also had sediment precipitate out of solution during the N-Evap stage.

Terphenyl-d14 failed the surrogate recovery criteria high for SW2020-SED-F001-2 (280-142696-1). This is an indicator that data may be biased high. As the sample does not contain any detectable concentrations for constituents associated with this surrogate greater than the reporting limits, corrective action was deemed unnecessary.

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

Explosives - Method 8321A

Samples SW2020-SED-F001-2 (280-142696-1) and SW2020-SED-F001-3 (280-142696-2) were analyzed for Explosives (dry weight) in accordance with SW846 8321A. The samples were leached on 11/19/2020, prepared on 11/23/2020 and analyzed on 11/30/2020.

The following samples were analyzed with an expired spike: SW2020-SED-F001-2 (280-142696-1[MS]) and SW2020-SED-F001-2 (280-142696-1[MSD]). The spike passed recovery testing; therefore, data was reported.

Case Narrative

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Job ID: 280-142696-1 (Continued)

Laboratory: Eurofins TestAmerica, Denver (Continued)

The following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: SW2020-SED-F001-2 (280-142696-1), SW2020-SED-F001-2 (280-142696-1[MS]), SW2020-SED-F001-2 (280-142696-1[MSD]) and SW2020-SED-F001-3 (280-142696-2). This material was removed and not extracted.

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

Percent Moisture

Samples SW2020-SED-F001-2 (280-142696-1) and SW2020-SED-F001-3 (280-142696-2) were analyzed for percent solids in accordance with ASTM D2216-90. The samples were analyzed on 11/16/2020.

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



Detection Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Client Sample ID: SW2020-SED-F001-2

Lab Sample ID: 280-142696-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,5-Dimethyl-2,4-Dinitrobenzene	81	J	210	29	ug/Kg	1	✳	8270C	Total/NA
2,4,6-Trinitrotoluene	200		120	6.1	ug/Kg	1	✳	8321A	Total/NA
2,4-Dinitrotoluene	150		120	9.9	ug/Kg	1	✳	8321A	Total/NA
2-Amino-4,6-dinitrotoluene	61	J	120	15	ug/Kg	1	✳	8321A	Total/NA
4-Amino-2,6-dinitrotoluene	47	J	120	6.2	ug/Kg	1	✳	8321A	Total/NA

Client Sample ID: SW2020-SED-F001-3

Lab Sample ID: 280-142696-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,6-Trinitro-3-xylene	6.4	J	100	4.2	ug/Kg	1	✳	8321A	Total/NA
2,4,6-Trinitrotoluene	43	J	100	5.1	ug/Kg	1	✳	8321A	Total/NA
2,4-Dinitrotoluene	170		100	8.3	ug/Kg	1	✳	8321A	Total/NA
4-Amino-2,6-dinitrotoluene	9.3	J	100	5.2	ug/Kg	1	✳	8321A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8321A	Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)	SW846	TAL DEN
D 2216-90	ASTM D 2216-90	ASTM	TAL DEN
3550C	Ultrasonic Extraction	SW846	TAL DEN
8330B	Sonication Extraction (Explosives)	SW846	TAL DEN
Increment, prep	ISM - Dry, Disaggregate, Sieve, 2 D Slabcake Subsample	EPA	TAL DEN

Protocol References:

ASTM = ASTM International

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 DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-142696-1	SW2020-SED-F001-2	Solid	11/10/20 10:50	11/12/20 09:15	
280-142696-2	SW2020-SED-F001-3	Solid	11/10/20 11:05	11/12/20 09:15	

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Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Client Sample ID: SW2020-SED-F001-2

Lab Sample ID: 280-142696-1

Date Collected: 11/10/20 10:50

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	35	U	210	35	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,2-Dimethyl-3,5-Dinitrobenzene	29	U	210	29	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,2-Dimethyl-3,6-Dinitrobenzene	31	U	210	31	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,2-Dimethyl-4,5-Dinitrobenzene	29	U	210	29	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,3-Dimethyl-2,4-Dinitrobenzene	21	U	210	21	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,3-Dimethyl-2,5-Dinitrobenzene	20	U	210	20	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,4-Dimethyl-2,3-Dinitrobenzene	34	U	210	34	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,4-Dimethyl-2,5-Dinitrobenzene	16	U	210	16	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,4-Dimethyl-2,6-Dinitrobenzene	23	U	210	23	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,5-Dimethyl-2,3-Dinitrobenzene	34	U	210	34	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1
1,5-Dimethyl-2,4-Dinitrobenzene	81	J	210	29	ug/Kg	☼	11/17/20 15:37	12/01/20 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	114		24 - 135	11/17/20 15:37	12/01/20 20:51	1
2-Fluorobiphenyl	82		33 - 135	11/17/20 15:37	12/01/20 20:51	1
2-Fluorophenol	79		39 - 135	11/17/20 15:37	12/01/20 20:51	1
Nitrobenzene-d5	67		32 - 135	11/17/20 15:37	12/01/20 20:51	1
Phenol-d5	81		39 - 135	11/17/20 15:37	12/01/20 20:51	1
Terphenyl-d14	143	X	30 - 135	11/17/20 15:37	12/01/20 20:51	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	15	U	120	15	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
1,3-Dinitrobenzene	8.6	U	120	8.6	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
2,4,6-Trinitro-3-xylene	5.0	U	120	5.0	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
2,4,6-Trinitrotoluene	200		120	6.1	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
2,4-Dinitrotoluene	150		120	9.9	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
2,6-Dinitrotoluene	24	U	120	24	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
2-Amino-4,6-dinitrotoluene	61	J	120	15	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
2-Nitrotoluene	7.0	U	120	7.0	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
3,4-Dinitrotoluene	12	U	120	12	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
3,5-Dinitrotoluene	25	U	120	25	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
3-Nitrotoluene	16	U	120	16	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
4-Amino-2,6-dinitrotoluene	47	J	120	6.2	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
4-Nitrotoluene	13	U	120	13	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
HMX	18	U	120	18	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
Nitrobenzene	13	U	120	13	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
Nitroglycerin	13	U	120	13	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
PETN	6.2	U	120	6.2	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
RDX	5.2	U	120	5.2	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1
Tetryl	9.2	U	120	9.2	ug/Kg	☼	11/23/20 17:23	11/30/20 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	93		68 - 140	11/23/20 17:23	11/30/20 21:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23.2		0.1	0.1	%			11/16/20 16:22	1

Client Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Client Sample ID: SW2020-SED-F001-3

Lab Sample ID: 280-142696-2

Date Collected: 11/10/20 11:05

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	27	U	160	27	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,2-Dimethyl-3,5-Dinitrobenzene	22	U	160	22	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,2-Dimethyl-3,6-Dinitrobenzene	24	U	160	24	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,2-Dimethyl-4,5-Dinitrobenzene	22	U	160	22	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,3-Dimethyl-2,4-Dinitrobenzene	16	U	160	16	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,3-Dimethyl-2,5-Dinitrobenzene	15	U	160	15	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,4-Dimethyl-2,3-Dinitrobenzene	26	U	160	26	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,4-Dimethyl-2,5-Dinitrobenzene	13	U	160	13	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,4-Dimethyl-2,6-Dinitrobenzene	17	U	160	17	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,5-Dimethyl-2,3-Dinitrobenzene	26	U	160	26	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1
1,5-Dimethyl-2,4-Dinitrobenzene	22	U	160	22	ug/Kg	☼	11/17/20 15:37	12/01/20 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		24 - 135	11/17/20 15:37	12/01/20 21:19	1
2-Fluorobiphenyl	64		33 - 135	11/17/20 15:37	12/01/20 21:19	1
2-Fluorophenol	58		39 - 135	11/17/20 15:37	12/01/20 21:19	1
Nitrobenzene-d5	51		32 - 135	11/17/20 15:37	12/01/20 21:19	1
Phenol-d5	62		39 - 135	11/17/20 15:37	12/01/20 21:19	1
Terphenyl-d14	88		30 - 135	11/17/20 15:37	12/01/20 21:19	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	13	U	100	13	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
1,3-Dinitrobenzene	7.2	U	100	7.2	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
2,4,6-Trinitro-3-xylene	6.4	J	100	4.2	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
2,4,6-Trinitrotoluene	43	J	100	5.1	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
2,4-Dinitrotoluene	170		100	8.3	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
2,6-Dinitrotoluene	20	U	100	20	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
2-Amino-4,6-dinitrotoluene	12	U	100	12	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
2-Nitrotoluene	5.8	U	100	5.8	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
3,4-Dinitrotoluene	10	U	100	10	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
3,5-Dinitrotoluene	21	U	100	21	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
3-Nitrotoluene	13	U	100	13	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
4-Amino-2,6-dinitrotoluene	9.3	J	100	5.2	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
4-Nitrotoluene	11	U	100	11	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
HMX	15	U	100	15	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
Nitrobenzene	11	U	100	11	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
Nitroglycerin	11	U	100	11	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
PETN	5.2	U	100	5.2	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
RDX	4.4	U	100	4.4	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1
Tetryl	7.7	U	100	7.7	ug/Kg	☼	11/23/20 17:23	11/30/20 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		68 - 140	11/23/20 17:23	11/30/20 23:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.2		0.1	0.1	%			11/16/20 16:22	1

Surrogate Summary

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (24-135)	FBP (33-135)	2FP (39-135)	NBZ (32-135)	PHL (39-135)	TPHL (30-135)
280-142696-1	SW2020-SED-F001-2	114	82	79	67	81	143 X
280-142696-2	SW2020-SED-F001-3	73	64	58	51	62	88
280-142696-2 MS	SW2020-SED-F001-3	69	59	57	51	58	85
280-142696-2 MSD	SW2020-SED-F001-3	71	64	62	54	65	87
LCS 280-517023/2-A	Lab Control Sample	64	61	57	50	57	91
MB 280-517023/1-A	Method Blank	54	55	57	50	55	93

Surrogate Legend

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

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		NBZ (68-140)
280-142696-1	SW2020-SED-F001-2	93
280-142696-1 MS	SW2020-SED-F001-2	91
280-142696-1 MSD	SW2020-SED-F001-2	87
280-142696-2	SW2020-SED-F001-3	87
LCS 280-517882/2-A	Lab Control Sample	88
MB 280-517882/1-A	Method Blank	88

Surrogate Legend

NBZ = Nitrobenzene-d5

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-142696-1

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

Lab Sample ID: MB 280-517023/1-A
Matrix: Solid
Analysis Batch: 518780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	28	U	170	28	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,2-Dimethyl-3,5-Dinitrobenzene	23	U	170	23	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,2-Dimethyl-3,6-Dinitrobenzene	25	U	170	25	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,2-Dimethyl-4,5-Dinitrobenzene	23	U	170	23	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,3-Dimethyl-2,4-Dinitrobenzene	17	U	170	17	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,3-Dimethyl-2,5-Dinitrobenzene	16	U	170	16	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,4-Dimethyl-2,3-Dinitrobenzene	27	U	170	27	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,4-Dimethyl-2,5-Dinitrobenzene	13	U	170	13	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,4-Dimethyl-2,6-Dinitrobenzene	18	U	170	18	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,5-Dimethyl-2,3-Dinitrobenzene	27	U	170	27	ug/Kg		11/17/20 15:37	12/01/20 19:55	1
1,5-Dimethyl-2,4-Dinitrobenzene	23	U	170	23	ug/Kg		11/17/20 15:37	12/01/20 19:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	54		24 - 135	11/17/20 15:37	12/01/20 19:55	1
2-Fluorobiphenyl	55		33 - 135	11/17/20 15:37	12/01/20 19:55	1
2-Fluorophenol	57		39 - 135	11/17/20 15:37	12/01/20 19:55	1
Nitrobenzene-d5	50		32 - 135	11/17/20 15:37	12/01/20 19:55	1
Phenol-d5	55		39 - 135	11/17/20 15:37	12/01/20 19:55	1
Terphenyl-d14	93		30 - 135	11/17/20 15:37	12/01/20 19:55	1

Lab Sample ID: LCS 280-517023/2-A
Matrix: Solid
Analysis Batch: 518780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	1730	1580		ug/Kg		91	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	1660	1440		ug/Kg		87	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	1680	1470		ug/Kg		88	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	1720	1520		ug/Kg		88	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	1650	1330		ug/Kg		81	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	1720	1360		ug/Kg		79	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	1730	1460		ug/Kg		85	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	1700	1440		ug/Kg		85	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	1720	1350		ug/Kg		79	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	1720	1530		ug/Kg		89	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	1730	1470		ug/Kg		85	50 - 135

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	64		24 - 135
2-Fluorobiphenyl	61		33 - 135
2-Fluorophenol	57		39 - 135
Nitrobenzene-d5	50		32 - 135
Phenol-d5	57		39 - 135
Terphenyl-d14	91		30 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

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

Lab Sample ID: 280-142696-2 MS

Matrix: Solid

Analysis Batch: 518780

Client Sample ID: SW2020-SED-F001-3

Prep Type: Total/NA

Prep Batch: 517023

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	27	U	1760	1520		ug/Kg	☼	86	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	22	U	1680	1400		ug/Kg	☼	83	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	24	U	1710	1360		ug/Kg	☼	80	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	22	U	1740	1460		ug/Kg	☼	84	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	16	U	1670	1360		ug/Kg	☼	81	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	15	U	1740	1310		ug/Kg	☼	75	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	26	U	1750	1400		ug/Kg	☼	80	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	13	U	1720	1310		ug/Kg	☼	76	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	17	U	1740	1290		ug/Kg	☼	74	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	26	U	1740	1460		ug/Kg	☼	84	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	22	U	1760	1400		ug/Kg	☼	79	50 - 135

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	69		24 - 135
2-Fluorobiphenyl	59		33 - 135
2-Fluorophenol	57		39 - 135
Nitrobenzene-d5	51		32 - 135
Phenol-d5	58		39 - 135
Terphenyl-d14	85		30 - 135

Lab Sample ID: 280-142696-2 MSD

Matrix: Solid

Analysis Batch: 518780

Client Sample ID: SW2020-SED-F001-3

Prep Type: Total/NA

Prep Batch: 517023

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dimethyl-3,4-Dinitrobenzene	27	U	1670	1460		ug/Kg	☼	87	50 - 135	4	30
1,2-Dimethyl-3,5-Dinitrobenzene	22	U	1600	1340		ug/Kg	☼	84	50 - 135	4	30
1,2-Dimethyl-3,6-Dinitrobenzene	24	U	1620	1360		ug/Kg	☼	84	50 - 135	0	30
1,2-Dimethyl-4,5-Dinitrobenzene	22	U	1650	1420		ug/Kg	☼	86	50 - 135	2	30
1,3-Dimethyl-2,4-Dinitrobenzene	16	U	1590	1350		ug/Kg	☼	85	50 - 135	1	30
1,3-Dimethyl-2,5-Dinitrobenzene	15	U	1650	1310		ug/Kg	☼	80	50 - 135	1	30
1,4-Dimethyl-2,3-Dinitrobenzene	26	U	1660	1410		ug/Kg	☼	85	50 - 135	1	30
1,4-Dimethyl-2,5-Dinitrobenzene	13	U	1640	1340		ug/Kg	☼	82	50 - 135	2	30
1,4-Dimethyl-2,6-Dinitrobenzene	17	U	1650	1410		ug/Kg	☼	86	50 - 135	9	30
1,5-Dimethyl-2,3-Dinitrobenzene	26	U	1650	1460		ug/Kg	☼	88	50 - 135	0	30
1,5-Dimethyl-2,4-Dinitrobenzene	22	U	1670	1380		ug/Kg	☼	83	50 - 135	1	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	71		24 - 135
2-Fluorobiphenyl	64		33 - 135
2-Fluorophenol	62		39 - 135
Nitrobenzene-d5	54		32 - 135
Phenol-d5	65		39 - 135
Terphenyl-d14	87		30 - 135

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-142696-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Lab Sample ID: MB 280-517882/1-A
Matrix: Solid
Analysis Batch: 518662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517882

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3,5-Trinitrobenzene	13	U	100	13	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
1,3-Dinitrobenzene	7.1	U	100	7.1	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
2,4,6-Trinitro-3-xylene	4.1	U	100	4.1	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
2,4,6-Trinitrotoluene	5.0	U	100	5.0	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
2,4-Dinitrotoluene	8.2	U	100	8.2	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
2,6-Dinitrotoluene	20	U	100	20	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
2-Amino-4,6-dinitrotoluene	12	U	100	12	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
2-Nitrotoluene	5.7	U	100	5.7	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
3,4-Dinitrotoluene	10	U	100	10	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
3,5-Dinitrotoluene	21	U	100	21	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
3-Nitrotoluene	13	U	100	13	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
4-Amino-2,6-dinitrotoluene	5.1	U	100	5.1	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
4-Nitrotoluene	11	U	100	11	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
HMX	15	U	100	15	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
Nitrobenzene	11	U	100	11	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
Nitroglycerin	11	U	100	11	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
PETN	5.2	U	100	5.2	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
RDX	4.3	U	100	4.3	ug/Kg		11/23/20 17:23	11/30/20 20:27	1
Tetryl	7.6	U	100	7.6	ug/Kg		11/23/20 17:23	11/30/20 20:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	88		68 - 140	11/23/20 17:23	11/30/20 20:27	1

Lab Sample ID: LCS 280-517882/2-A
Matrix: Solid
Analysis Batch: 518662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517882

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1,3,5-Trinitrobenzene	400	401		ug/Kg		100	45 - 142
1,3-Dinitrobenzene	400	377		ug/Kg		94	74 - 130
2,4,6-Trinitro-3-xylene	400	348		ug/Kg		87	50 - 150
2,4,6-Trinitrotoluene	400	360		ug/Kg		90	60 - 135
2,4-Dinitrotoluene	400	361		ug/Kg		90	63 - 130
2,6-Dinitrotoluene	400	386		ug/Kg		97	65 - 133
2-Amino-4,6-dinitrotoluene	400	375		ug/Kg		94	51 - 148
2-Nitrotoluene	400	367		ug/Kg		92	59 - 150
3,4-Dinitrotoluene	400	374		ug/Kg		93	50 - 150
3,5-Dinitrotoluene	400	392		ug/Kg		98	50 - 150
3-Nitrotoluene	400	355		ug/Kg		89	56 - 154
4-Amino-2,6-dinitrotoluene	400	372		ug/Kg		93	60 - 141
4-Nitrotoluene	400	356		ug/Kg		89	72 - 145
HMX	400	350		ug/Kg		88	48 - 131
Nitrobenzene	400	382		ug/Kg		95	70 - 140
Nitroglycerin	400	382		ug/Kg		95	27 - 146
PETN	400	377		ug/Kg		94	31 - 171
RDX	400	387		ug/Kg		97	69 - 130
Tetryl	400	384		ug/Kg		96	10 - 170

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: LCS 280-517882/2-A
Matrix: Solid
Analysis Batch: 518662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517882

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	88		68 - 140

Lab Sample ID: 280-142696-1 MS
Matrix: Solid
Analysis Batch: 518662

Client Sample ID: SW2020-SED-F001-2
Prep Type: Total/NA
Prep Batch: 517882

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,3,5-Trinitrobenzene	15	U	509	516		ug/Kg	☼	101	45 - 142
1,3-Dinitrobenzene	8.6	U	509	490		ug/Kg	☼	96	74 - 130
2,4,6-Trinitro-3-xylene	5.0	U	509	486		ug/Kg	☼	95	50 - 150
2,4,6-Trinitrotoluene	200		509	559		ug/Kg	☼	71	60 - 135
2,4-Dinitrotoluene	150		509	549		ug/Kg	☼	78	63 - 130
2,6-Dinitrotoluene	24	U	509	496		ug/Kg	☼	97	65 - 133
2-Amino-4,6-dinitrotoluene	61	J	509	493		ug/Kg	☼	85	51 - 148
2-Nitrotoluene	7.0	U	509	481		ug/Kg	☼	95	59 - 150
3,4-Dinitrotoluene	12	U	510	496		ug/Kg	☼	97	50 - 150
3,5-Dinitrotoluene	25	U	509	495		ug/Kg	☼	97	50 - 150
3-Nitrotoluene	16	U	509	490		ug/Kg	☼	96	56 - 154
4-Amino-2,6-dinitrotoluene	47	J	509	493		ug/Kg	☼	88	60 - 141
4-Nitrotoluene	13	U	509	482		ug/Kg	☼	95	72 - 145
HMX	18	U	509	444		ug/Kg	☼	87	48 - 131
Nitrobenzene	13	U	509	483		ug/Kg	☼	95	70 - 140
Nitroglycerin	13	U	509	497		ug/Kg	☼	98	27 - 146
PETN	6.2	U	509	487		ug/Kg	☼	96	31 - 171
RDX	5.2	U	509	487		ug/Kg	☼	96	69 - 130
Tetryl	9.2	U	509	505		ug/Kg	☼	99	10 - 170

Surrogate	MS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	91		68 - 140

Lab Sample ID: 280-142696-1 MSD
Matrix: Solid
Analysis Batch: 518662

Client Sample ID: SW2020-SED-F001-2
Prep Type: Total/NA
Prep Batch: 517882

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,3,5-Trinitrobenzene	15	U	501	490		ug/Kg	☼	98	45 - 142	5	70
1,3-Dinitrobenzene	8.6	U	501	447		ug/Kg	☼	89	74 - 130	9	25
2,4,6-Trinitro-3-xylene	5.0	U	501	463		ug/Kg	☼	92	50 - 150	5	30
2,4,6-Trinitrotoluene	200		501	515		ug/Kg	☼	63	60 - 135	8	25
2,4-Dinitrotoluene	150		501	495		ug/Kg	☼	69	63 - 130	10	25
2,6-Dinitrotoluene	24	U	501	461		ug/Kg	☼	92	65 - 133	7	25
2-Amino-4,6-dinitrotoluene	61	J	501	462		ug/Kg	☼	80	51 - 148	7	25
2-Nitrotoluene	7.0	U	501	460		ug/Kg	☼	92	59 - 150	4	45
3,4-Dinitrotoluene	12	U	501	464		ug/Kg	☼	93	50 - 150	7	30
3,5-Dinitrotoluene	25	U	501	470		ug/Kg	☼	94	50 - 150	5	30
3-Nitrotoluene	16	U	501	469		ug/Kg	☼	94	56 - 154	4	25
4-Amino-2,6-dinitrotoluene	47	J	501	454		ug/Kg	☼	81	60 - 141	8	48
4-Nitrotoluene	13	U	501	458		ug/Kg	☼	91	72 - 145	5	25

Eurofins TestAmerica, Denver

QC Sample Results

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: 280-142696-1 MSD

Matrix: Solid

Analysis Batch: 518662

Client Sample ID: SW2020-SED-F001-2

Prep Type: Total/NA

Prep Batch: 517882

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier						
HMX	18	U	501	432		ug/Kg	⊛	86	48 - 131	3	25
Nitrobenzene	13	U	501	452		ug/Kg	⊛	90	70 - 140	7	25
Nitroglycerin	13	U	501	473		ug/Kg	⊛	94	27 - 146	5	92
PETN	6.2	U	501	472		ug/Kg	⊛	94	31 - 171	3	40
RDX	5.2	U	501	473		ug/Kg	⊛	94	69 - 130	3	25
Tetryl	9.2	U	501	488		ug/Kg	⊛	97	10 - 170	4	50
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	87		68 - 140								

Method: D 2216-90 - ASTM D 2216-90

Lab Sample ID: 280-142752-B-6 DU

Matrix: Solid

Analysis Batch: 516883

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Percent Moisture	16.8		17.1		%		2	20

QC Association Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-142696-1

GC/MS Semi VOA

Prep Batch: 517023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-142696-1	SW2020-SED-F001-2	Total/NA	Solid	3550C	
280-142696-2	SW2020-SED-F001-3	Total/NA	Solid	3550C	
MB 280-517023/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 280-517023/2-A	Lab Control Sample	Total/NA	Solid	3550C	
280-142696-2 MS	SW2020-SED-F001-3	Total/NA	Solid	3550C	
280-142696-2 MSD	SW2020-SED-F001-3	Total/NA	Solid	3550C	

Analysis Batch: 518780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-142696-1	SW2020-SED-F001-2	Total/NA	Solid	8270C	517023
280-142696-2	SW2020-SED-F001-3	Total/NA	Solid	8270C	517023
MB 280-517023/1-A	Method Blank	Total/NA	Solid	8270C	517023
LCS 280-517023/2-A	Lab Control Sample	Total/NA	Solid	8270C	517023
280-142696-2 MS	SW2020-SED-F001-3	Total/NA	Solid	8270C	517023
280-142696-2 MSD	SW2020-SED-F001-3	Total/NA	Solid	8270C	517023

LCMS

ISM Prep Batch: 517304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-142696-1	SW2020-SED-F001-2	Total/NA	Solid	Increment, prep	
280-142696-2	SW2020-SED-F001-3	Total/NA	Solid	Increment, prep	
280-142696-1 MS	SW2020-SED-F001-2	Total/NA	Solid	Increment, prep	
280-142696-1 MSD	SW2020-SED-F001-2	Total/NA	Solid	Increment, prep	

Prep Batch: 517882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-142696-1	SW2020-SED-F001-2	Total/NA	Solid	8330B	517304
280-142696-2	SW2020-SED-F001-3	Total/NA	Solid	8330B	517304
MB 280-517882/1-A	Method Blank	Total/NA	Solid	8330B	
LCS 280-517882/2-A	Lab Control Sample	Total/NA	Solid	8330B	
280-142696-1 MS	SW2020-SED-F001-2	Total/NA	Solid	8330B	517304
280-142696-1 MSD	SW2020-SED-F001-2	Total/NA	Solid	8330B	517304

Analysis Batch: 518662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-142696-1	SW2020-SED-F001-2	Total/NA	Solid	8321A	517882
280-142696-2	SW2020-SED-F001-3	Total/NA	Solid	8321A	517882
MB 280-517882/1-A	Method Blank	Total/NA	Solid	8321A	517882
LCS 280-517882/2-A	Lab Control Sample	Total/NA	Solid	8321A	517882
280-142696-1 MS	SW2020-SED-F001-2	Total/NA	Solid	8321A	517882
280-142696-1 MSD	SW2020-SED-F001-2	Total/NA	Solid	8321A	517882

General Chemistry

Analysis Batch: 516883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-142696-1	SW2020-SED-F001-2	Total/NA	Solid	D 2216-90	
280-142696-2	SW2020-SED-F001-3	Total/NA	Solid	D 2216-90	
280-142752-B-6 DU	Duplicate	Total/NA	Solid	D 2216-90	

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Client Sample ID: SW2020-SED-F001-2

Lab Sample ID: 280-142696-1

Date Collected: 11/10/20 10:50

Matrix: Solid

Date Received: 11/12/20 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			516883	11/16/20 16:22	SPG	TAL DEN

Client Sample ID: SW2020-SED-F001-2

Lab Sample ID: 280-142696-1

Date Collected: 11/10/20 10:50

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.1 g	1 mL	517023	11/17/20 15:37	AC	TAL DEN
Total/NA	Analysis	8270C		1			518780	12/01/20 20:51	RDP	TAL DEN
Total/NA	ISM Prep	Increment, prep					517304	11/19/20 08:38	EKB	TAL DEN
Total/NA	Prep	8330B			10.75 g	40 mL	517882	11/23/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8321A		1			518662	11/30/20 21:31	AGCM	TAL DEN

Client Sample ID: SW2020-SED-F001-3

Lab Sample ID: 280-142696-2

Date Collected: 11/10/20 11:05

Matrix: Solid

Date Received: 11/12/20 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			516883	11/16/20 16:22	SPG	TAL DEN

Client Sample ID: SW2020-SED-F001-3

Lab Sample ID: 280-142696-2

Date Collected: 11/10/20 11:05

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			32.7 g	1 mL	517023	11/17/20 15:37	AC	TAL DEN
Total/NA	Analysis	8270C		1			518780	12/01/20 21:19	RDP	TAL DEN
Total/NA	ISM Prep	Increment, prep					517304	11/19/20 08:38	EKB	TAL DEN
Total/NA	Prep	8330B			10.38 g	40 mL	517882	11/23/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8321A		1			518662	11/30/20 23:07	AGCM	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-517023/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30 g	1 mL	517023	11/17/20 15:37	AC	TAL DEN
Total/NA	Analysis	8270C		1			518780	12/01/20 19:55	RDP	TAL DEN

Client Sample ID: Method Blank

Lab Sample ID: MB 280-517882/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8330B			10 g	40 mL	517882	11/23/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8321A		1			518662	11/30/20 20:27	AGCM	TAL DEN

Eurofins TestAmerica, Denver

Lab Chronicle

Client: The Chemours Company FC, LLC
 Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-142696-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-517023/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30 g	1 mL	517023	11/17/20 15:37	AC	TAL DEN
Total/NA	Analysis	8270C		1			518780	12/01/20 20:23	RDP	TAL DEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-517882/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8330B			10 g	40 mL	517882	11/23/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8321A		1			518662	11/30/20 20:59	AGCM	TAL DEN

Client Sample ID: SW2020-SED-F001-2

Lab Sample ID: 280-142696-1 MS

Date Collected: 11/10/20 10:50

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					517304	11/19/20 08:38	EKB	TAL DEN
Total/NA	Prep	8330B			10.23 g	40 mL	517882	11/23/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8321A		1			518662	11/30/20 22:03	AGCM	TAL DEN

Client Sample ID: SW2020-SED-F001-2

Lab Sample ID: 280-142696-1 MSD

Date Collected: 11/10/20 10:50

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	ISM Prep	Increment, prep					517304	11/19/20 08:38	EKB	TAL DEN
Total/NA	Prep	8330B			10.4 g	40 mL	517882	11/23/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8321A		1			518662	11/30/20 22:35	AGCM	TAL DEN

Client Sample ID: SW2020-SED-F001-3

Lab Sample ID: 280-142696-2 MS

Date Collected: 11/10/20 11:05

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.2 g	1 mL	517023	11/17/20 15:37	AC	TAL DEN
Total/NA	Analysis	8270C		1			518780	12/01/20 21:47	RDP	TAL DEN

Client Sample ID: SW2020-SED-F001-3

Lab Sample ID: 280-142696-2 MSD

Date Collected: 11/10/20 11:05

Matrix: Solid

Date Received: 11/12/20 09:15

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			32.9 g	1 mL	517023	11/17/20 15:37	AC	TAL DEN
Total/NA	Analysis	8270C		1			518780	12/01/20 22:16	RDP	TAL DEN

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 2020

Job ID: 280-142696-1

Client Sample ID: Duplicate

Lab Sample ID: 280-142752-B-6 DU

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216-90		1			516883	11/16/20 16:22	SPG	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
Project/Site: BAR-Surface Water and Sediment Sampling 202C

Job ID: 280-142696-1

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999615430	08-31-21

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Chain of Custody Record

Client Information Client Contact: Sharon Nordstrom Company: E.I. du Pont de Nemours and Company ADQM Address: c/o URS Corporation Sabre Building, Suite 300 4051 Ogletown F City: Newark State, Zip: DE, 19713 Phone: 302-892-8947(Tel) Email: sharon.nordstrom@urscorp.com Project Name: BAR- SITE INVESTIGATION SOILS 2014 Site:		Sampler: Desmond N. USU Phone: 715 373 2100 Lab PM: Johnston, Michelle A E-Mail: michelle.johnston@testamericainc.com Carrier Tracking Note(s): 1926 7803 0125 COC No: 280-36097-14679.1 Page: Job #:	
Due Date Requested: TAT Requested (days): 15 Business Days PO #: LBIO-664219267-7720100C-WH06-507975 WO #: Project #: 28003388 SSOW#:		Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 832A Nitro-Barkdale List + Extra DNT Isomers <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 832A-TNX <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 8270C-DNX Isomers <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Percent Moisture <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Total Number of Containers:	
Sample Identification SW2010-SED-F001-2 SW2010-SED-F001-3		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 X - EDA Z - other (specify)	
Sample Date 11/10/20 11/10/20		Special Instructions/Note: 280-142696 Chain of Custody 	
Sample Time 10:50 11:05		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air) Solid Solid Solid Solid Solid Solid Solid Solid Solid	
Sample Type (C=Comp, G=grab) G G		Sample Preservation Code: Solid Solid Solid Solid Solid Solid Solid Solid Solid	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: 1, II, III, IV, Other (specify)			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Special Instructions/QC Requirements:			
Relinquished by:  Relinquished by: Relinquished by:		Date: 11/11/2020 12:00 Date/Time: Date/Time:	
Custody Seal Intact: X Yes <input type="checkbox"/> No Custody Seal No.: 204297		Received by:  Received by:  Received by: Cooler Temperature(s) °C and Other Remarks: 1.6 -0.3, 1.1	
Company: AELCOM Company:		Date/Time: 11-12-20 0915 Date/Time: 11/2/20 0915 Date/Time:	
Company:		Company: ETK-06W Company: LTA Denver Company:	



Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 280-142696-1

Login Number: 142696

List Source: Eurofins TestAmerica, Denver

List Number: 1

Creator: Johnston, Michelle A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

